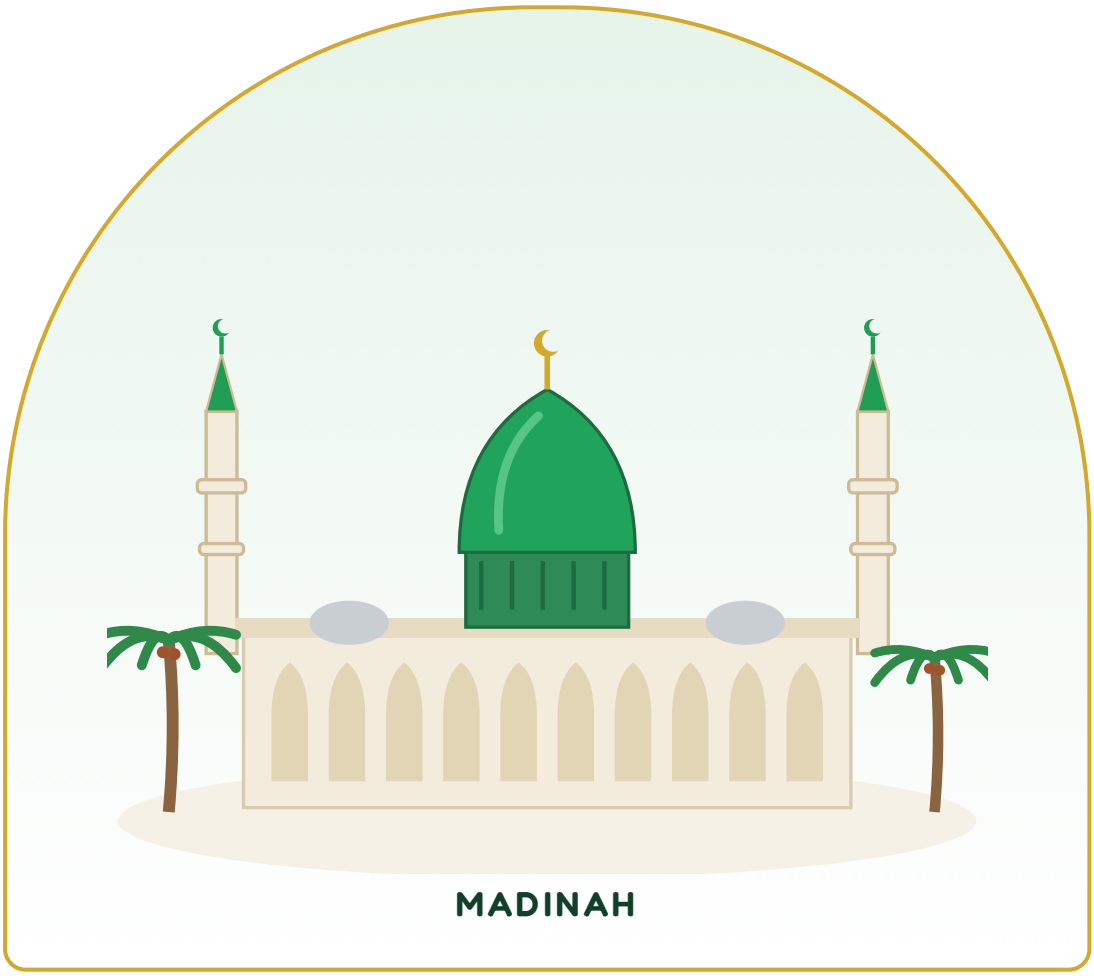
Adam's Maths

Learning, growing, alhamdulillah

Key Stage 2 · Ages 9–10

Year 5 · Term 2

Practice & Question Book



Name: _____

Multiplying and dividing · Fractions · Decimals and percentages · Perimeter and area · Charts and tables

Assalamu alaikum! I'm Adam.

Welcome to your Year 5, Term 2 maths book. This term our journey takes us to **Madinah**. I've filled this book with puzzles to practise everything you're learning in class.

- Say **Bismillah** and do **one page** at a time.
- Read **Adam's tip** at the top and write your answers in the ☐ boxes.
- Colour the stars when you finish:
  ★ Keep trying, insha'Allah
  ★★ Alhamdulillah, good
  ★★★ Mashallah, excellent!

My star tracker

Page	Topic	Stars
3	Multiplying and dividing (part 1)	☆☆☆
4	Multiplying and dividing (part 2)	☆☆☆
5	Multiplying and dividing (part 3)	☆☆☆
6	Multiplying and dividing (part 4)	☆☆☆
7	Multiplying and dividing (part 5)	☆☆☆
8	Fractions (part 1)	☆☆☆
9	Fractions (part 2)	☆☆☆
10	Fractions (part 3)	☆☆☆
11	Fractions (part 4)	☆☆☆
12	Fractions (part 5)	☆☆☆
13	Decimals and percentages (part 1)	☆☆☆
14	Decimals and percentages (part 2)	☆☆☆
15	Decimals and percentages (part 3)	☆☆☆
16	Decimals and percentages (part 4)	☆☆☆
17	Decimals and percentages (part 5)	☆☆☆
18	Perimeter and area (part 1)	☆☆☆
19	Perimeter and area (part 2)	☆☆☆
20	Perimeter and area (part 3)	☆☆☆
21	Charts and tables (part 1)	☆☆☆
22	Charts and tables (part 2)	☆☆☆
23	Charts and tables (part 3)	☆☆☆
24	End-of-term challenge	☆☆☆

For grown-ups: This book follows the Year 5 National Curriculum for England, in the order most schools teach it during the spring term. Every page opens with a verse or hadith about a good value, such as caring for orphans, feeding the hungry, giving from what Allah has given us, spreading salam and looking after the earth. The questions themselves are neutral and SATs-style. Answers start on page 25. Print on A4 at 100% scale and staple down the left-hand side.

Multiplying and dividing Part 1

Adam's tip
Long multiplication: multiply by the ones, then by the tens.

"I and the one who looks after an orphan will be in Paradise like this," and he held two fingers together. — Hadith, Bukhari

A Multiply using the column method.

	3	0	7	4
×				6

	4	0	2	3
×				9

	4	3	0	1
×				9

	3	2	8	5
×				7

B Long multiplication.

			2	6
×			3	7

			4	3
×			2	5

			7	5
×			1	9

C Division: use the bus stop method. Some have remainders!

4	1	9	8	9

8	5	1	7	4

8	2	4	9	6

4	3	6	1	2

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!

Multiplying and dividing Part 2

Adam's tip
Long multiplication: multiply by the ones, then by the tens.

And they give food, in spite of love for it, to the needy, the orphan and the captive. — Qur'an 76:8

A Word problems.

There are 12 shells in each packet. How many shells are there in 20 packets?

working out

_____ shells

1,768 cards are shared equally between 8 children. How many cards does each child get?

working out

_____ cards

A school buys 12 boxes of pencils with 8 pencils in each box. 22 pencils are given out. How many pencils are left?

working out

_____ pencils

There are 24 sweets in each packet. How many sweets are there in 27 packets?

working out

_____ sweets

B Multiply using the column method.

	1	2	4	7
×				6

	2	9	0	3
×				6

	1	8	0	4
×				8

	1	1	1	2
×				5

C Division: use the bus stop method. Some have remainders!

3	1	3	8	9

9	4	8	1	4

9	4	1	9	8

7	2	7	7	3

How did I do? ☆ ☆ ☆

Keep going, insha'Allah!

Multiplying and dividing Part 3

Adam's tip
Long multiplication: multiply by the ones, then by the tens.

Those who spend in the way of Allah are like a seed which grows seven spikes; in each spike is a hundred grains. — Qur'an 2:261

A Long multiplication.

				4	3
×				2	5

				4	8
×				1	3

				6	8
×				1	6

B Word problems.

There are 24 sweets in each packet. How many sweets are there in 39 packets?

working out

sweets

1,008 sweets are shared equally between 7 children. How many sweets does each child get?

working out

sweets

A school buys 14 boxes of pencils with 12 pencils in each box. 67 pencils are given out. How many pencils are left?

working out

pencils

There are 12 badges in each packet. How many badges are there in 16 packets?

working out

badges

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!

Multiplying and dividing

Part 4

Adam's tip
Long multiplication: multiply by the ones, then by the tens.

Whoever comes with a good deed will have ten times the like of it. — Qur'an 6:160

A Multiply using the column method.

	3	1	0	5
×				5

	4	8	7	5
×				3

	3	0	0	9
×				5

	4	1	6	7
×				3

B Long multiplication.

			8	3
×			1	2

			7	2
×			2	4

			4	5
×			3	3

C Division: use the bus stop method. Some have remainders!

4	1	5	1	9

4	3	4	1	0

8	7	3	0	8

3	2	7	6	9

How did I do? ☆ ☆ ☆

Alhamdulillah for learning!

Multiplying and dividing Part 5

Adam's tip
Long multiplication: multiply by the ones, then by the tens.

"I and the one who looks after an orphan will be in Paradise like this," and he held two fingers together. **Hadith, Bukhari**

A Word problems.

There are 12 badges in each packet. How many badges are there in 24 packets?

working out

☐ badges

2,408 marbles are shared equally between 8 children. How many marbles does each child get?

working out

☐ marbles

A school buys 28 boxes of pencils with 15 pencils in each box. 144 pencils are given out. How many pencils are left?

working out

☐ pencils

There are 12 marbles in each packet. How many marbles are there in 17 packets?

working out

☐ marbles

B Multiply using the column method.

	1	8	5	6
×				6

	4	9	4	5
×				3

	3	1	7	5
×				7

	3	1	8	5
×				3

C Division: use the bus stop method. Some have remainders!

3	1	5	0	9

7	6	6	6	4

7	2	0	3	2

7	3	0	5	5

How did I do? ☆ ☆ ☆

Mashallah, you're a star!

Fractions Part 1

Adam's tip
Multiply the numerator by the whole number.

O you who believe, stand firm for justice. Qur'an 4:135

A Multiply. Give your answer as a mixed number if you can.

$\frac{3}{5} \times 6 =$ ☐ $\frac{3}{8} \times 3 =$ ☐ $\frac{4}{5} \times 3 =$ ☐

$\frac{3}{6} \times 4 =$ ☐ $\frac{2}{3} \times 4 =$ ☐ $\frac{4}{8} \times 6 =$ ☐

Working out

B Find the fraction of each amount.

$\frac{4}{8}$ of 128 = ☐ $\frac{2}{5}$ of 60 = ☐ $\frac{1}{8}$ of 88 = ☐

$\frac{1}{4}$ of 16 = ☐ $\frac{3}{8}$ of 40 = ☐ $\frac{2}{3}$ of 57 = ☐

Working out

C Change mixed numbers into improper fractions, and back again.

$1\ \frac{2}{3} =$ ☐ $\frac{13}{4} =$ ☐ $2\ \frac{3}{6} =$ ☐

$\frac{5}{3} =$ ☐ $3\ \frac{1}{3} =$ ☐ $\frac{18}{8} =$ ☐

How did I do? ☆ ☆ ☆

Mashallah, well done!

Fractions Part 2

Adam's tip
Multiply the numerator by the whole number.

Believe in Allah and His Messenger and spend out of that in which He has made you successors. Qur'an 57:7

A Add and subtract. Find a common denominator first. Simplify your answers.

$\frac{3}{5} - \frac{2}{5} =$ ☐ $\frac{3}{4} - \frac{2}{3} =$ ☐ $\frac{3}{4} - \frac{3}{8} =$ ☐

$\frac{2}{5} + \frac{7}{10} =$ ☐ $\frac{7}{9} - \frac{2}{3} =$ ☐

Working out

B Multiply. Give your answer as a mixed number if you can.

$\frac{2}{5} \times 2 =$ ☐ $\frac{1}{7} \times 2 =$ ☐ $\frac{3}{4} \times 3 =$ ☐

$\frac{2}{7} \times 3 =$ ☐ $\frac{6}{7} \times 5 =$ ☐ $\frac{1}{3} \times 2 =$ ☐

Working out

C Change mixed numbers into improper fractions, and back again.

$4\ \frac{4}{6} =$ ☐ $\frac{11}{3} =$ ☐ $3\ \frac{1}{2} =$ ☐

$\frac{7}{5} =$ ☐ $3\ \frac{3}{7} =$ ☐ $\frac{14}{6} =$ ☐

How did I do? ☆ ☆ ☆

Alhamdulillah, that's excellent!

Bismillah · Adam's Maths · Year 5 · Term 2 · Madinah

Fractions Part 3

Adam's tip
Multiply the numerator by the whole number.

"He is not a believer whose stomach is filled while his neighbour goes hungry." **Hadith, al-Adab al-Mufrad**

A Find the fraction of each amount.

$\frac{7}{10}$ of 70 = ☐ $\frac{1}{10}$ of 190 = ☐ $\frac{4}{5}$ of 20 = ☐

$\frac{1}{8}$ of 160 = ☐ $\frac{4}{6}$ of 66 = ☐ $\frac{3}{4}$ of 28 = ☐

Working out

B Add and subtract. Find a common denominator first. Simplify your answers.

$\frac{1}{2} + \frac{3}{4} =$ ☐ $\frac{5}{6} - \frac{1}{2} =$ ☐ $\frac{2}{3} + \frac{2}{3} =$ ☐

$\frac{1}{5} + \frac{14}{15} =$ ☐ $\frac{2}{5} - \frac{2}{15} =$ ☐ $\frac{4}{5} + \frac{2}{5} =$ ☐

Working out

C Change mixed numbers into improper fractions, and back again.

$4\ \frac{3}{5} =$ ☐ $\frac{17}{7} =$ ☐ $2\ \frac{1}{4} =$ ☐

$\frac{4}{3} =$ ☐ $4\ \frac{2}{4} =$ ☐ $\frac{8}{7} =$ ☐

How did I do? ☆ ☆ ☆

Barakallahu feek!

Fractions Part 4

Adam's tip
Multiply the numerator by the whole number.

So as for the orphan, do not oppress him. Qur'an 93:9

A Multiply. Give your answer as a mixed number if you can.

$\frac{2}{8} \times 6 =$ ☐ $\frac{3}{8} \times 2 =$ ☐ $\frac{2}{7} \times 2 =$ ☐

$\frac{1}{7} \times 3 =$ ☐ $\frac{1}{9} \times 4 =$ ☐ $\frac{1}{4} \times 2 =$ ☐

Working out

B Find the fraction of each amount.

$\frac{1}{5}$ of 65 = ☐ $\frac{5}{6}$ of 138 = ☐ $\frac{1}{10}$ of 50 = ☐

$\frac{1}{5}$ of 40 = ☐ $\frac{1}{4}$ of 100 = ☐ $\frac{1}{5}$ of 70 = ☐

Working out

C Change mixed numbers into improper fractions, and back again.

$2\ \frac{4}{5} =$ ☐ $\frac{9}{2} =$ ☐ $4\ \frac{1}{7} =$ ☐

$\frac{11}{4} =$ ☐ $2\ \frac{2}{3} =$ ☐ $\frac{7}{3} =$ ☐

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!

Fractions Part 5

Adam's tip
Multiply the numerator by the whole number.

O you who believe, stand firm for justice. Qur'an 4:135

A Add and subtract. Find a common denominator first. Simplify your answers.

$\frac{1}{2} + \frac{3}{4} =$ ☐ $\quad \frac{2}{3} - \frac{1}{2} =$ ☐ $\quad \frac{2}{3} - \frac{1}{6} =$ ☐

$\frac{3}{5} + \frac{1}{5} =$ ☐ $\quad \frac{1}{3} - \frac{1}{4} =$ ☐ $\quad \frac{1}{3} + \frac{2}{3} =$ ☐

Working out

B Multiply. Give your answer as a mixed number if you can.

$\frac{1}{4} \times 3 =$ ☐ $\quad \frac{6}{7} \times 6 =$ ☐ $\quad \frac{4}{8} \times 6 =$ ☐

$\frac{6}{8} \times 6 =$ ☐ $\quad \frac{3}{8} \times 6 =$ ☐ $\quad \frac{3}{5} \times 2 =$ ☐

Working out

C Change mixed numbers into improper fractions, and back again.

$4\ \frac{4}{6} =$ ☐ $\quad \frac{4}{3} =$ ☐ $\quad 4\ \frac{3}{6} =$ ☐

$\frac{17}{7} =$ ☐ $\quad 2\ \frac{2}{5} =$ ☐ $\quad \frac{33}{8} =$ ☐

How did I do? ☆ ☆ ☆

Keep going, insha'Allah!

Decimals and percentages Part 1

Adam's tip
Per cent means 'out of 100'.

Those who spend their wealth by night and by day, secretly and publicly, will have their reward with their Lord. **Qur'an 2:274**

A Write <, > or =.

4.2 ◯ 4.21 | 8.93 ◯ 8.84 | 9.68 ◯ 9.69

1.41 ◯ 1.4 | 9.37 ◯ 10.27 | 2.06 ◯ 2.16

B Round these decimals.

9.74 to 1 decimal place: ☐

96.87 to 1 decimal place: ☐

61.23 to 1 decimal place: ☐

50.87 to 1 decimal place: ☐

70.5 to the nearest whole number: ☐

47.13 to 1 decimal place: ☐

Working out

C Write <, > or =.

6.48 ◯ 6.49 | 8.57 ◯ 8.58 | 8.36 ◯ 8.35

4.1 ◯ 4.01 | 3.75 ◯ 3.85 | 7.19 ◯ 7.09

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!

Decimals and percentages Part 2

Adam's tip
Per cent means 'out of 100'.

"Your smile for your brother is charity." — Hadith, Tirmidhi

A Add and subtract decimals.

8.66 − 2.22 = ☐

6.71 − 4.67 = ☐

7.81 − 0.83 = ☐

8.65 + 2.57 = ☐

6.32 − 5.28 = ☐

6.10 − 4.57 = ☐

Working out

B Decimal number bonds to 1.

0.2 + ☐ = 1

0.61 + ☐ = 1

0.7 + ☐ = 1

0.49 + ☐ = 1

0.4 + ☐ = 1

Working out

C Write <, > or =.

6.72 ◯ 7.62

4.08 ◯ 4.98

7.88 ◯ 7.98

2.14 ◯ 2.24

4.8 ◯ 4.89

4.89 ◯ 4.8

How did I do? ☆ ☆ ☆

Alhamdulillah for learning!

Decimals and percentages Part 3

Adam's tip
Per cent means 'out of 100'.

Believe in Allah and His Messenger and spend out of that in which He has made you successors. — Qur'an 57:7

A Percentages.

75% of 40 = ☐

71% = $\frac{\square}{100}$ = ☐

50% of 40 = ☐

89% = $\frac{\square}{100}$ = ☐

52% = $\frac{\square}{100}$ = ☐

10% of 60 = ☐

Working out

B Round these decimals.

82.09 to 1 decimal place: ☐

3.1 to the nearest whole number: ☐

94.95 to 1 decimal place: ☐

12.1 to the nearest whole number: ☐

51.3 to the nearest whole number: ☐

13.4 to the nearest whole number: ☐

Working out

How did I do? ☆ ☆ ☆

Mashallah, you're a star!

Decimals and percentages Part 4

Adam's tip
Per cent means 'out of 100'.

And know that your properties and your children are but a trial, and that Allah has with Him a great reward. — Qur'an 8:28

A Add and subtract decimals.

5.62 + 1.35 = ☐

4.05 − 3.25 = ☐

6.68 + 8.88 = ☐

9.23 − 0.52 = ☐

7.97 − 7.18 = ☐

2.26 − 1.08 = ☐

Working out

B Decimal number bonds to 1.

0.35 + ☐ = 1

0.4 + ☐ = 1

0.38 + ☐ = 1

0.75 + ☐ = 1

0.49 + ☐ = 1

Working out

C Write <, > or =.

4.72 ◯ 4.81

0.08 ◯ 0.18

2.55 ◯ 2.56

5.98 ◯ 6.08

5.16 ◯ 5.07

3.42 ◯ 3.32

How did I do? ☆ ☆ ☆

Mashallah, well done!

Decimals and percentages Part 5

Adam's tip
Per cent means 'out of 100'.

Those who spend their wealth by night and by day, secretly and publicly, will have their reward with their Lord. Qur'an 2:274

A Percentages.

$\frac{1}{10}$ = ☐ %

$\frac{2}{5}$ = ☐ %

19% = $\frac{\square}{100}$ = ☐

75% of 200 = ☐

75% of 60 = ☐

50% of 40 = ☐

Working out

B Round these decimals.

72.47 to 1 decimal place: ☐

43.27 to 1 decimal place: ☐

90.89 to 1 decimal place: ☐

31.68 to 1 decimal place: ☐

80.4 to the nearest whole number: ☐

26.9 to the nearest whole number: ☐

Working out

Perimeter and area

Part 1

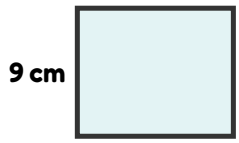
Adam's tip
Area of a rectangle = length × width.

Eat and drink, but be not excessive. Indeed, He likes not those who commit excess. — Qur'an 7:31

A Find the perimeter of each rectangle.

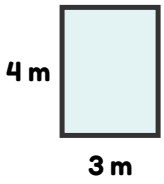
Perimeter = ☐ cm

Perimeter = ☐ cm



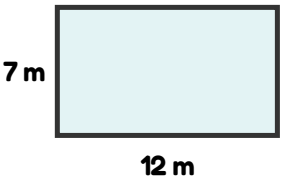
Perimeter = ☐ cm

B Find the area of each rectangle.



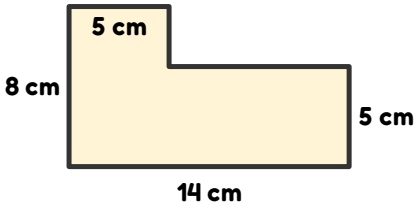
Area = ☐ m^2

Area = ☐ m^2



Area = ☐ m^2

C Find the area of this shape. (Not drawn to scale.)



Area = ☐ cm^2

How did I do? ☆ ☆ ☆

Barakallahu feek!

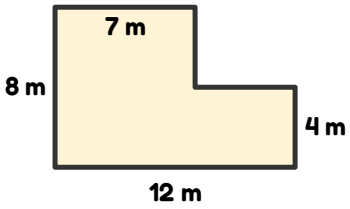
Perimeter and area

Part 2

Adam's tip
Area of a rectangle = length × width.

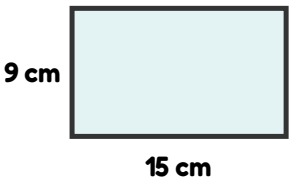
Indeed, I will make upon the earth a successive authority (khalifah). — Qur'an 2:30

A Find the perimeter of this shape. (Not drawn to scale.)

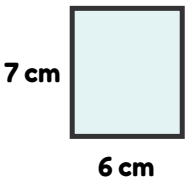


Perimeter = ☐ m

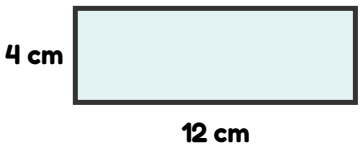
B Find the perimeter of each rectangle.



Perimeter = ☐ cm

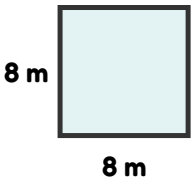


Perimeter = ☐ cm

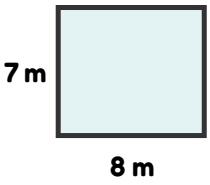


Perimeter = ☐ cm

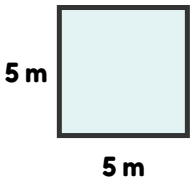
C Find the area of each rectangle.



Area = ☐ m^2



Area = ☐ m^2



Area = ☐ m^2

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!

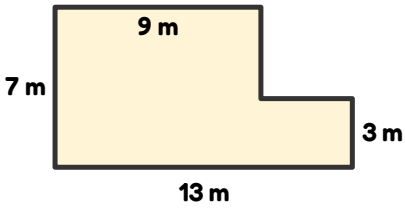
Perimeter and area

Part 3

Adam's tip
Area of a rectangle = length × width.

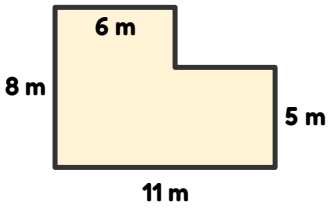
And establish weight in justice and do not make deficient the balance. — Qur'an 55:9

A Find the area of this shape. (Not drawn to scale.)



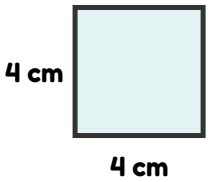
Area = ☐ m^2

B Find the perimeter of this shape. (Not drawn to scale.)



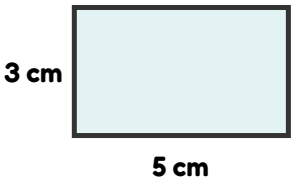
Perimeter = ☐ m

C Find the perimeter of each rectangle.



Perimeter = ☐ cm

Perimeter = ☐ cm



Perimeter = ☐ cm

How did I do? ☆ ☆ ☆

Keep going, insha'Allah!

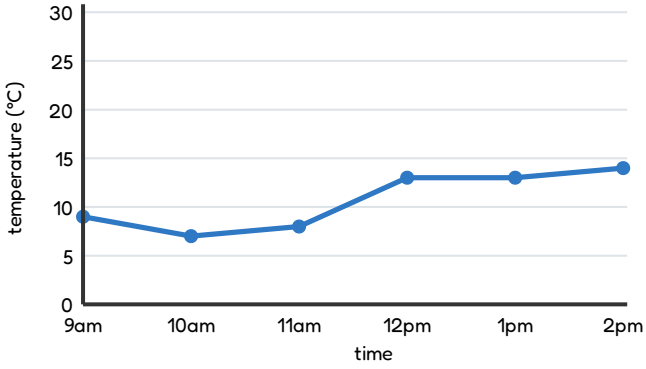
Charts and tables

Part 1

Adam's tip
Read line graphs carefully between the marks.

Eat and drink, but be not excessive. Indeed, He likes not those who commit excess. Qur'an 7:31

A Read the line graph.



What was the temperature at 11am?

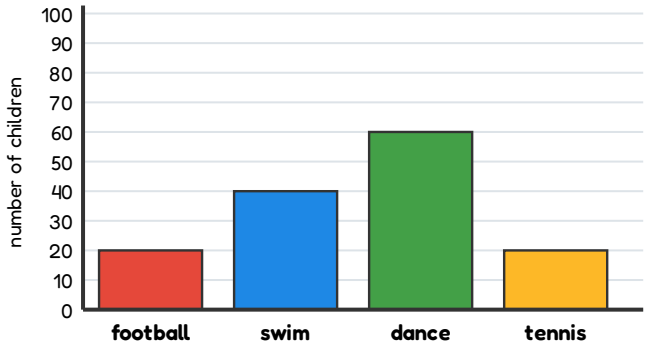
☐ °C

When was it warmest? _____

How much did it rise from 9am to 2pm?

☐ °C

B Read the bar chart.



How many chose football? ☐

How many more chose dance than football?

☐

How many altogether? ☐

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!

Charts and tables

Part 2

Adam's tip
Read line graphs carefully between the marks.

If you are grateful, I will surely increase you. — Qur'an 14:7

A Read the tally chart.

Choice	Tally
football	𝍸 | | |
swim	𝍸 | | |
dance	𝍸 𝍸 |
tennis	𝍸 |

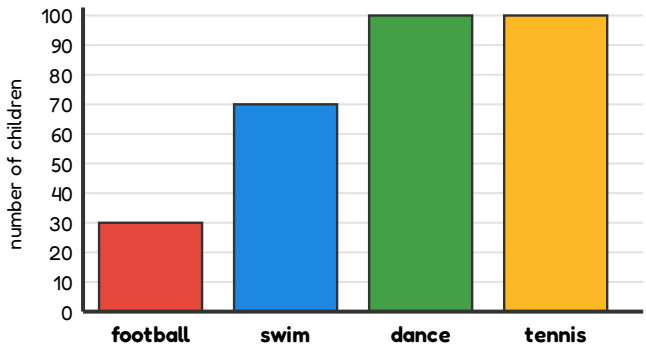
How many chose football? ☐

Which was the most popular? _____

How many more chose dance than tennis? ☐

How many altogether? ☐

B Read the bar chart.



How many chose football? ☐

How many more chose dance than football? ☐

How many altogether? ☐

How did I do? ☆ ☆ ☆

Alhamdulillah for learning!

Charts and tables

Part 3

Adam's tip
Read line graphs carefully between the marks.

Indeed, I will make upon the earth a successive authority (khalifah). Qur'an 2:30

A Read the tally chart.

Choice	Tally
football	II
swim	𝍸 𝍸 I
dance	𝍸 𝍸 I
tennis	IIII

How many chose football? ☐

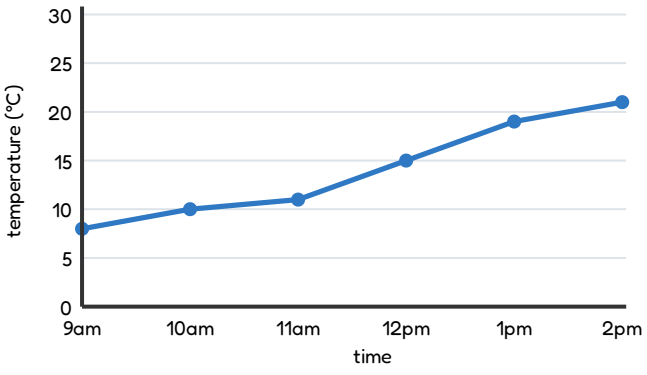
Which was the most popular? _____

How many more chose swim than football?

☐

How many altogether? ☐

B Read the line graph.



What was the temperature at 11am?

☐ °C

When was it warmest? _____

How much did it rise from 9am to 2pm?

☐ °C

How did I do? ☆ ☆ ☆

Mashallah, you're a star!

Bismillah · Adam's Maths · Year 5 · Term 2 · Madinah

End-of-term challenge

Adam's tip
Say Bismillah, take your time and check every answer. You can do it!

O you who believe, seek help through patience and prayer. Indeed, Allah is with the patient. — Qur'an 2:153

Time: 20 minutes **Score: ☐ / 20**

1. 45 ÷ 5 = ☐
2. $\frac{1}{4}$ of 32 = ☐
3. 77 ÷ 10 = ☐
4. 3 kg = ☐ g
5. 76,663 + 1,000 = ☐
6. 129,925 − 1,000 = ☐
7. 36 ÷ 4 = ☐
8. 88 × 6 = ☐
9. $\frac{1}{10}$ of 50 = ☐
10. 61 ÷ 10 = ☐
11. 4 kg = ☐ g
12. 101,618 + 7,000 = ☐
13. 536,186 − 9,000 = ☐
14. 20 ÷ 5 = ☐
15. 6 × 8 = ☐
16. $\frac{1}{10}$ of 100 = ☐
17. 2 ÷ 10 = ☐
18. 80 mm = ☐ cm
19. 631,705 + 500,000 = ☐
20. 414,674 − 90,000 = ☐

How did I do? ☆ ☆ ☆

Mashallah, well done!

For grown-ups

Answers

p.3 Multiplying and dividing (part 1)

A: 18,444, 36,207, 38,709, 22,995
B: 962, 1,075, 1,425
C: 497 r1, 646 r6, 312, 903

p.4 Multiplying and dividing (part 2)

A: 240, 221, 74, 648
B: 7,482, 17,418, 14,432, 5,560
C: 463, 534 r8, 466 r4, 396 r1

p.5 Multiplying and dividing (part 3)

A: 1,075, 624, 1,088
B: 936, 144, 101, 192

p.6 Multiplying and dividing (part 4)

A: 15,525, 14,625, 15,045, 12,501
B: 996, 1,728, 1,485
C: 379 r3, 852 r2, 913 r4, 923

p.7 Multiplying and dividing (part 5)

A: 288, 301, 276, 204
B: 11,136, 14,835, 22,225, 9,555
C: 503, 952, 290 r2, 436 r3

p.8 Fractions (part 1)

A: 3 3/5, 1 1/8, 2 2/5, 2, 2 2/3, 3
B: 64, 24, 11, 4, 15, 38
C: 5/3, 3 1/4, 15/6, 1 2/3, 10/3, 2 2/8

p.9 Fractions (part 2)

A: 1/5, 1/12, 3/8, 1 1/10, 1/9
B: 4/5, 2/7, 2 1/4, 6/7, 4 2/7, 2/3
C: 28/6, 3 2/3, 7/2, 1 2/5, 24/7, 2 2/6

p.10 Fractions (part 3)

A: 49, 19, 16, 20, 44, 21
B: 1 1/4, 1/3, 1 1/3, 1 2/15, 4/15, 1 1/5
C: 23/5, 2 3/7, 9/4, 1 1/3, 18/4, 1 1/7

p.11 Fractions (part 4)

A: 1 1/2, 3/4, 4/7, 3/7, 4/9, 1/2
B: 13, 115, 5, 8, 25, 14
C: 14/5, 4 1/2, 29/7, 2 3/4, 8/3, 2 1/3

p.12 Fractions (part 5)

A: 1 1/4, 1/6, 1/2, 4/5, 1/12, 1
B: 3/4, 5 1/7, 3, 4 1/2, 2 1/4, 1 1/5
C: 28/6, 1 1/3, 27/6, 2 3/7, 12/5, 4 1/8

p.13 Decimals and percentages (part 1)

A: <, >, <, >, <, <
B: 9.7, 96.9, 61.2, 50.9, 71, 47.1
C: <, <, >, >, <, >

p.14 Decimals and percentages (part 2)

A: 6.44, 2.04, 6.98, 11.22, 1.04, 1.53
B: 0.8, 0.39, 0.3, 0.51, 0.6
C: <, <, <, <, <, >

p.15 Decimals and percentages (part 3)

A: 30, 71/100 = 0.71, 20, 89/100 = 0.89, 52/100 = 0.52, 6
B: 82.1, 3, 95.0, 12, 51, 13

For grown-ups

Answers (continued)

p.16 Decimals and percentages (part 4)

A: 6.97, 0.80, 15.56, 8.71, 0.79, 1.18
B: 0.65, 0.6, 0.62, 0.25, 0.51
C: <, <, <, <, >, >

p.17 Decimals and percentages (part 5)

A: 10, 150, 40, 45, 19/100 = 0.19, 20
B: 72.5, 31.7, 43.3, 80, 90.9, 27

p.18 Perimeter and area (part 1)

A: 32 cm, 36 cm, 40 cm
B: 12 m^2, 50 m^2, 84 m^2
C: 85 cm^2

p.19 Perimeter and area (part 2)

A: 40 m
B: 48 cm, 26 cm, 32 cm
C: 64 m^2, 56 m^2, 25 m^2

p.20 Perimeter and area (part 3)

A: 75 m^2
B: 38 m
C: 16 cm, 26 cm, 16 cm

p.21 Charts and tables (part 1)

A: 8, 2pm, 5
B: 20, 40, 140

p.22 Charts and tables (part 2)

A: 8, dance, 5, 33
B: 30, 70, 300

p.23 Charts and tables (part 3)

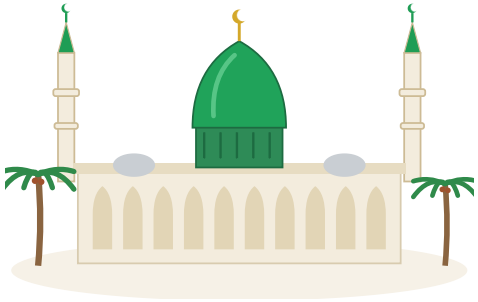
A: 2, swim, 9, 28
B: 11, 2pm, 13

p.24 End-of-term challenge

1) 9, 2) 8, 3) 7.7, 4) 3,000, 5) 77,663, 6) 128,925, 7) 9, 8) 528, 9) 5, 10) 6.1, 11) 4,000, 12) 108,618, 13) 527,186, 14) 4, 15) 48, 16) 10, 17) 0.2, 18) 8, 19) 1,131,705, 20) 324,674

Mashallah!

Maths Superstar



This is to say that

_____

has completed **Adam's Maths – Year 5, Term 2**. Alhamdulillah for all your hard work! May Allah bless your learning.

_____ _____

Signed **Date**

Adam's Maths · Year 5

Adam's handy helpers

Multiplication grid

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Fractions, decimals and percentages

Fraction	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{5}$	$\frac{1}{10}$	$\frac{1}{100}$
Decimal	0.5	0.25	0.75	0.2	0.1	0.01
Percentage	50%	25%	75%	20%	10%	1%

Units: 1 km = 1,000 m · 1 m = 100 cm · 1 kg = 1,000 g · 1 l = 1,000 ml · 5 miles ≈ 8 km · 1 inch ≈ 2.5 cm

Rabbi zidni ‘ilma — “My Lord, increase me in knowledge.” (Qur’an, Ta-Ha 20:114)