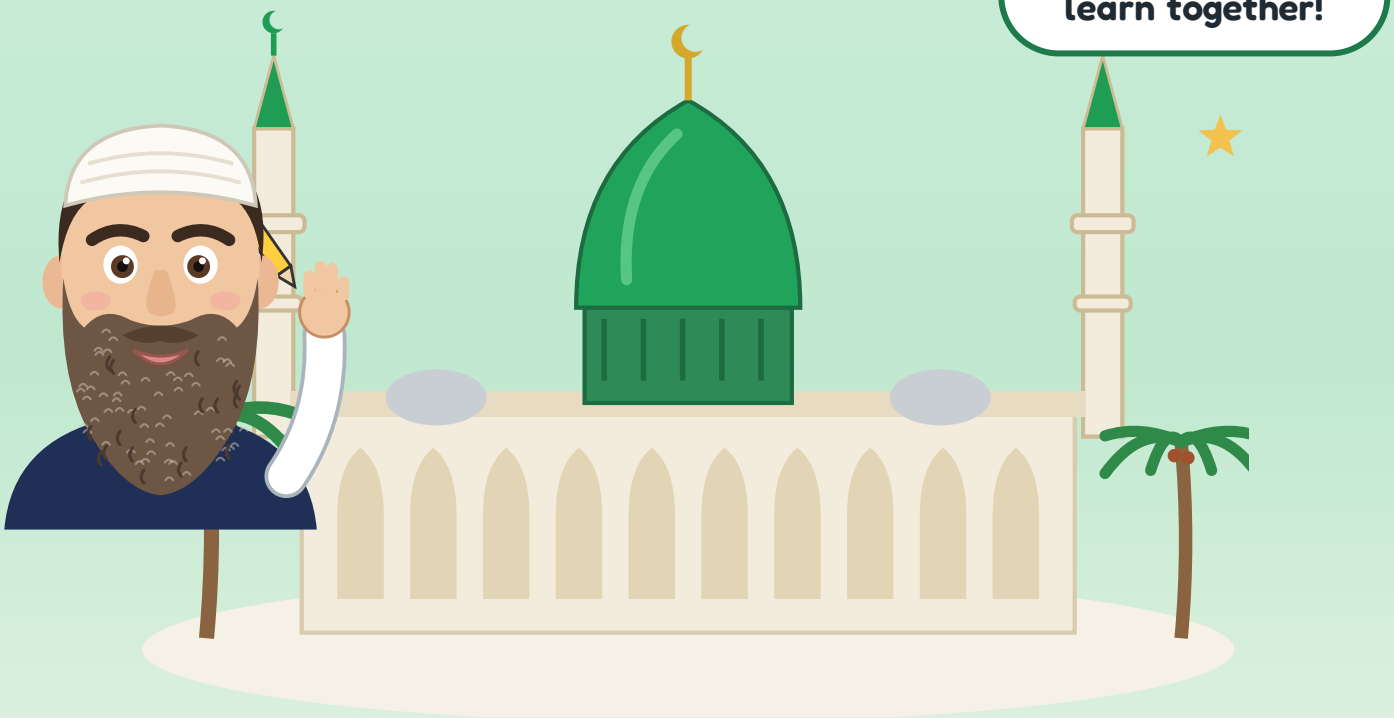
Key Stage 2 · Ages 7–8

Adam's Maths

Learning, growing, alhamdulillah

Year 3

Term 2 · Madinah · Practice & Question Book



This book belongs to: _____



Assalamu alaikum! I'm Adam.

Welcome to your Year 3, 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	Multiplying and dividing (part 6)	☆☆☆
9	Length and perimeter (part 1)	☆☆☆
10	Length and perimeter (part 2)	☆☆☆
11	Length and perimeter (part 3)	☆☆☆
12	Length and perimeter (part 4)	☆☆☆
13	Length and perimeter (part 5)	☆☆☆
14	Length and perimeter (part 6)	☆☆☆
15	Fractions (part 1)	☆☆☆
16	Fractions (part 2)	☆☆☆
17	Fractions (part 3)	☆☆☆
18	Fractions (part 4)	☆☆☆
19	Fractions (part 5)	☆☆☆
20	Fractions (part 6)	☆☆☆
21	End-of-term challenge	☆☆☆

For grown-ups: This book follows the Year 3 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 are set around the same good deeds. Answers start on page 22. Print on A4 at 100% scale and staple down the left-hand side. More free resources at **adamsclassroom.co.uk**.



Multiplying and dividing Part 1

Adam's tip
Multiply the ones, then the tens, and add.

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

A Times tables and division facts.

☐ ÷ 10 = 8 | 4 × ☐ = 44 | 2 × 4 = ☐

☐ ÷ 3 = 12 | ☐ ÷ 2 = 1 | 2 × ☐ = 18

72 ÷ 8 = ☐ | 10 × ☐ = 10 | 12 × 5 = ☐

B Multiply using the column method.

	2	3
×		2

	4	1
×		5

	2	3
×		2

	2	8
×		5

C Multiply three numbers.

6 × 4 × 10 = ☐ | 2 × 3 × 2 = ☐

4 × 5 × 5 = ☐ | 9 × 5 × 2 = ☐

Working out

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!



Multiplying and dividing Part 2

Adam's tip
Multiply the ones, then the tens, and add.

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.

Sumayyah says salam to 8 people every day. How many salams is that in 9 days?

working out

☐ salams

40 meals are shared equally between 4 families in need. How many meals does each family get?

working out

☐ meals

Each row of the school garden has 4 seedlings. How many seedlings are in 12 rows?

working out

☐ seedlings

80 books are given equally to 8 children at an orphanage. How many books does each child get?

working out

☐ books

B Times tables and division facts.

12 ÷ 4 = ☐

8 × 3 = ☐

30 ÷ 10 = ☐

96 ÷ 8 = ☐

12 × 4 = ☐

2 × ☐ = 6

☐ ÷ 3 = 10

11 × 5 = ☐

4 × 2 = ☐



Multiplying and dividing Part 3

Adam's tip
Multiply the ones, then the tens, and add.

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 Multiply using the column method.

	3	2	
×		4	

	2	7	
×		8	

	2	6	
×		2	

	4	7	
×		2	

B Multiply three numbers.

3 × 5 × 5 = ☐

7 × 4 × 2 = ☐

8 × 4 × 2 = ☐

4 × 5 × 10 = ☐

Working out

C Times tables and division facts.

10 × ☐ = 80

☐ ÷ 3 = 10

6 × 4 = ☐

9 × 2 = ☐

☐ ÷ 3 = 1

4 × 10 = ☐

☐ ÷ 4 = 12

10 × 3 = ☐

64 ÷ 8 = ☐

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



Multiplying and dividing Part 4

Adam's tip
Multiply the ones, then the tens, and add.

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

A Word problems.

Hamza says salam to 4 people every day. How many salams is that in 5 days?

working out

_____ salams

6 books are given equally to 3 children at an orphanage. How many books does each child get?

working out

_____ books

Hana says salam to 8 people every day. How many salams is that in 4 days?

working out

_____ salams

24 books are given equally to 4 children at an orphanage. How many books does each child get?

working out

_____ books

B Multiply using the column method.

	1	7
×		5

	4	4
×		8

	1	2
×		2

	3	4
×		5



Multiplying and dividing Part 5

Adam's tip
Multiply the ones, then the tens, and add.

"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 three numbers.

6 × 3 × 2 = ☐

7 × 3 × 10 = ☐

7 × 3 × 2 = ☐

4 × 2 × 5 = ☐

Working out

B Word problems.

Each food parcel holds 3 tins. How many tins are in 7 parcels?

working out

☐ tins

44 books are given equally to 4 children at an orphanage. How many books does each child get?

working out

☐ books

Each row of the school garden has 8 seedlings. How many seedlings are in 3 rows?

working out

☐ seedlings

20 warm hats are shared equally between 4 shelters. How many hats does each shelter get?

working out

☐ hats



Multiplying and dividing Part 6

Adam's tip
Multiply the ones, then the tens, and add.

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

A Times tables and division facts.

50 ÷ 5 = ☐ 16 ÷ 8 = ☐ 10 × 2 = ☐

32 ÷ 8 = ☐ 15 ÷ 5 = ☐ 6 × 5 = ☐

12 ÷ 3 = ☐ 4 × 2 = ☐ 4 × 10 = ☐

B Multiply using the column method.

	4	6
×		3

	1	9
×		4

	4	6
×		3

	2	7
×		5

C Multiply three numbers.

7 × 4 × 10 = ☐ 8 × 4 × 5 = ☐

9 × 3 × 5 = ☐ 2 × 5 × 2 = ☐

Working out

How did I do? ☆ ☆ ☆

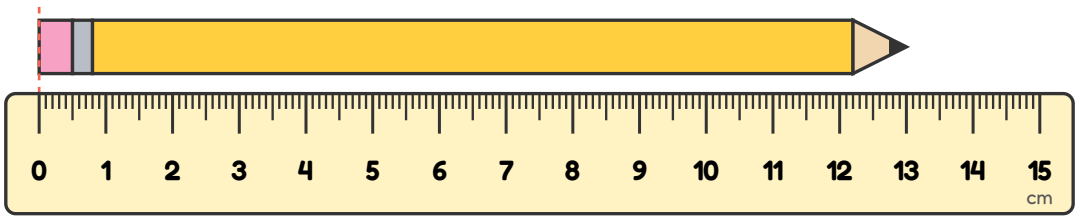
Mashallah, well done!

Length and perimeter Part 1

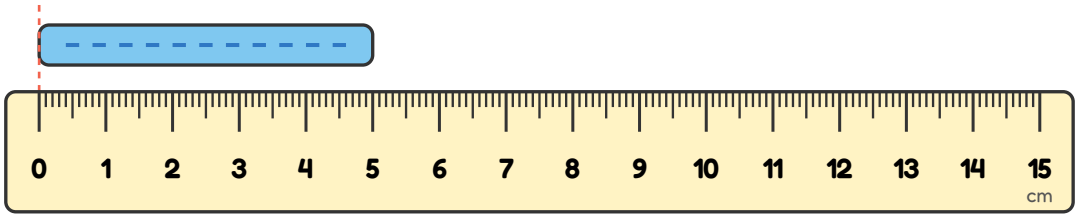
Adam's tip
Perimeter is the distance all the way round.

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

A Measure each object. (The rulers are real size!)



The pencil is ☐ cm long.



The ribbon is ☐ cm long.

B Convert the units.

4 kg = ☐ g

600 cm = ☐ m

7 l = ☐ ml

9 kg = ☐ g

4,000 ml = ☐ l

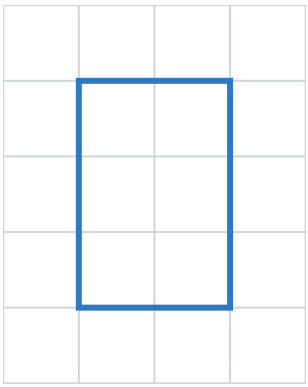
Working out

Length and perimeter Part 2

Adam's tip
Perimeter is the distance all the way round.

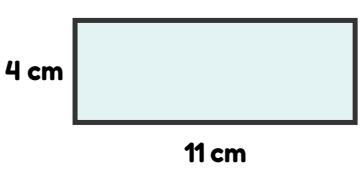
Indeed, I will make upon the earth a successive authority (khalifah). Qur'an 2:30

A Each square is 1 cm. What is the perimeter of the blue rectangle?

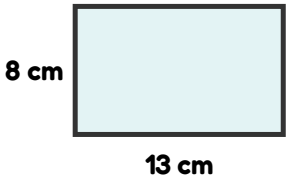


Perimeter = ☐ cm

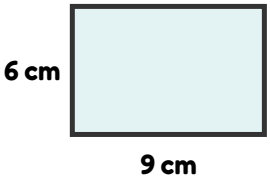
B Find the perimeter of each rectangle.



Perimeter = ☐ cm



Perimeter = ☐ cm



Perimeter = ☐ cm

C Add and subtract measures.

420 cm − 188 cm = ☐ cm

441 cm + 151 cm = ☐ cm

467 g + 395 g = ☐ g

343 ml + 322 ml = ☐ ml

Working out

How did I do? ☆ ☆ ☆

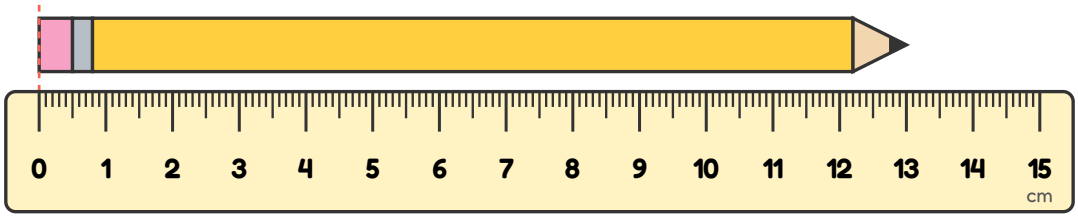
Barakallahu feek!

Length and perimeter Part 3

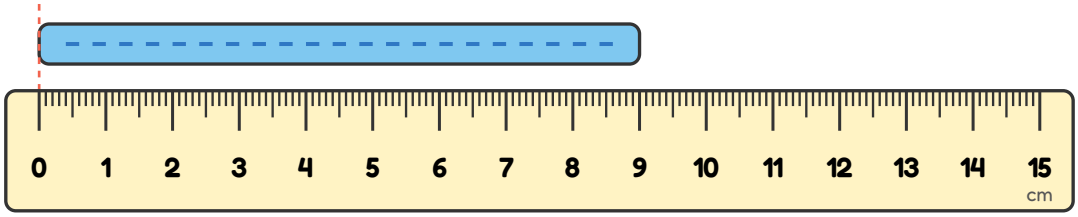
Adam's tip
Perimeter is the distance all the way round.

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

A Measure each object. (The rulers are real size!)



The pencil is ☐ cm long.



The ribbon is ☐ cm long.

B Convert the units.

7,000 g = ☐ kg

9 cm = ☐ mm

5,000 g = ☐ kg

7 m = ☐ cm

6,000 g = ☐ kg

6,000 ml = ☐ l

Working out

How did I do? ☆ ☆ ☆

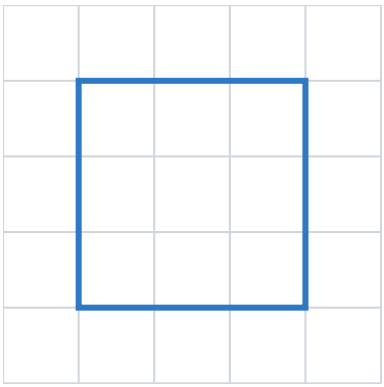
SubhanAllah, look how you're growing!

Length and perimeter Part 4

Adam's tip
Perimeter is the distance all the way round.

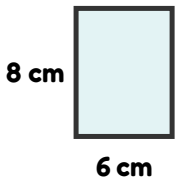
Give full measure and weight in justice. — Qur'an 6:152

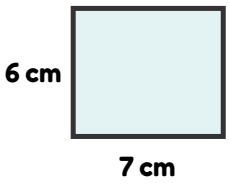
A Each square is 1 cm. What is the perimeter of the blue rectangle?

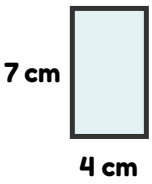


Perimeter = ☐ cm

B Find the perimeter of each rectangle.







Perimeter = ☐ cm Perimeter = ☐ cm Perimeter = ☐ cm

C Add and subtract measures.

387 m − 241 m = ☐ m

186 ml + 344 ml = ☐ ml

425 cm + 212 cm = ☐ cm

156 g + 233 g = ☐ g

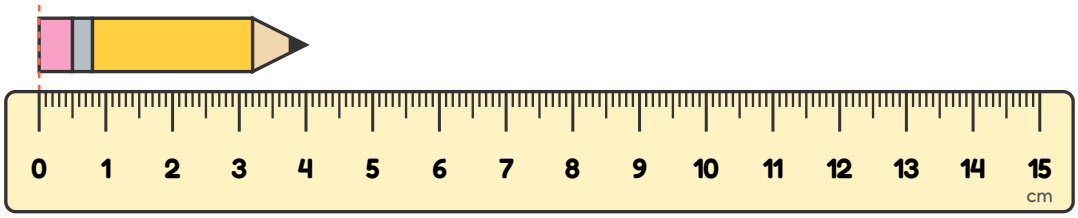
Working out

Length and perimeter Part 5

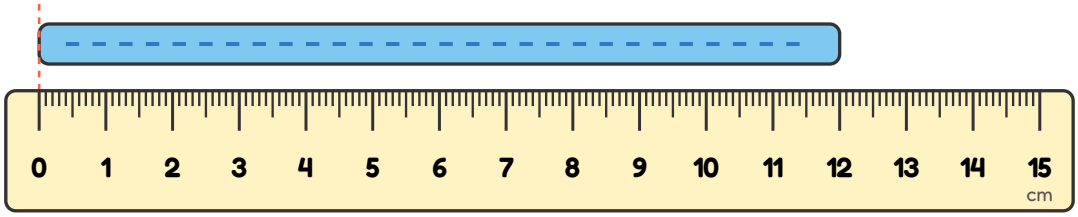
Adam's tip
Perimeter is the distance all the way round.

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

A Measure each object. (The rulers are real size!)



The pencil is ☐ cm long.



The ribbon is ☐ cm long.

B Convert the units.

80 mm = ☐ cm

6,000 g = ☐ kg

8 l = ☐ ml

3 m = ☐ cm

8 m = ☐ cm

5,000 g = ☐ kg

Working out

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



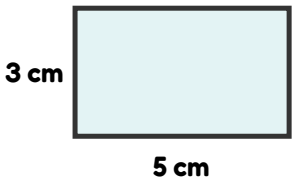
Length and perimeter

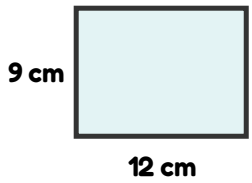
Part 6

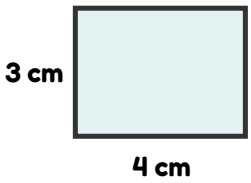
Adam's tip
Perimeter is the distance all the way round.

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

A Find the perimeter of each rectangle.







Perimeter = ☐ cm Perimeter = ☐ cm Perimeter = ☐ cm

B Add and subtract measures.

277 m + 127 m = ☐ m

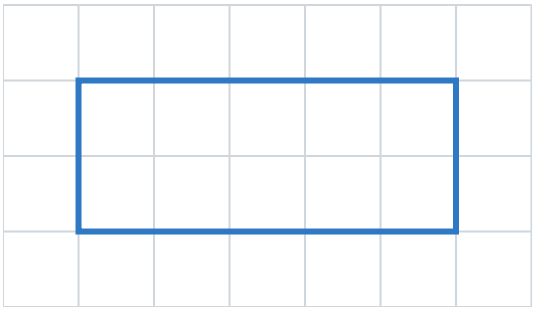
342 cm − 110 cm = ☐ cm

408 ml − 294 ml = ☐ ml

291 m + 308 m = ☐ m

Working out

C Each square is 1 cm. What is the perimeter of the blue rectangle?



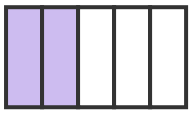
Perimeter = ☐ cm

Fractions Part 1

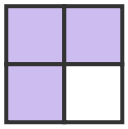
Adam's tip
The bottom number shows how many equal parts.

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

A What fraction is shaded?









B Find the fraction of each amount.

$\frac{2}{3}$ of 15 = ☐

$\frac{1}{4}$ of 24 = ☐

$\frac{7}{10}$ of 100 = ☐

$\frac{1}{3}$ of 30 = ☐

$\frac{1}{2}$ of 20 = ☐

$\frac{8}{10}$ of 50 = ☐

Working out

C Fill in the missing numbers to make equivalent fractions.

$\frac{3}{6} = \frac{6}{\square}$

$\frac{2}{4} = \frac{10}{\square}$

$\frac{1}{6} = \frac{\square}{30}$

$\frac{5}{6} = \frac{\square}{12}$

$\frac{1}{4} = \frac{3}{\square}$

$\frac{2}{5} = \frac{\square}{25}$

Working out

Fractions Part 2

Adam's tip
The bottom number shows how many equal parts.

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

A Write <, > or =.

$\frac{1}{2}$ ◯ $\frac{1}{4}$ $\quad$ $\frac{3}{4}$ ◯ $\frac{1}{4}$ $\quad$ $\frac{1}{5}$ ◯ $\frac{1}{2}$

$\frac{4}{9}$ ◯ $\frac{2}{3}$ $\quad$ $\frac{1}{5}$ ◯ $\frac{1}{4}$ $\quad$ $\frac{3}{8}$ ◯ $\frac{3}{4}$

B Add and subtract.

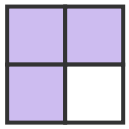
$\frac{8}{9} - \frac{1}{9} =$ ☐ $\quad$ $\frac{9}{10} - \frac{1}{10} =$ ☐ $\quad$ $\frac{4}{5} - \frac{1}{5} =$ ☐

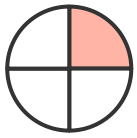
$\frac{6}{8} + \frac{2}{8} =$ ☐ $\quad$ $\frac{2}{4} - \frac{1}{4} =$ ☐ $\quad$ $\frac{7}{9} - \frac{1}{9} =$ ☐

Working out

C What fraction is shaded?


☐


☐


☐


☐

How did I do? ☆ ☆ ☆

Mashallah, well done!



Fractions Part 3

Adam's tip
The bottom number shows how many equal parts.

"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.

$\frac{1}{4}$ of 12 = ☐ $\frac{2}{4}$ of 40 = ☐ $\frac{1}{3}$ of 15 = ☐

$\frac{1}{10}$ of 20 = ☐ $\frac{1}{3}$ of 21 = ☐ $\frac{1}{2}$ of 6 = ☐

Working out

B Fill in the missing numbers to make equivalent fractions.

$\frac{4}{5} = \frac{\square}{10}$ $\frac{2}{3} = \frac{\square}{15}$ $\frac{3}{4} = \frac{\square}{8}$

$\frac{1}{6} = \frac{3}{\square}$ $\frac{2}{5} = \frac{\square}{10}$ $\frac{3}{5} = \frac{\square}{15}$

Working out

C Write <, > or =.

$\frac{1}{2}$ ◯ $\frac{1}{5}$ $\frac{2}{5}$ ◯ $\frac{9}{10}$ $\frac{1}{2}$ ◯ $\frac{1}{4}$

$\frac{1}{5}$ ◯ $\frac{1}{6}$ $\frac{1}{4}$ ◯ $\frac{1}{6}$ $\frac{1}{3}$ ◯ $\frac{5}{6}$

How did I do? ☆ ☆ ☆

Alhamdulillah, that's excellent!

Fractions Part 4

Adam's tip
The bottom number shows how many equal parts.

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

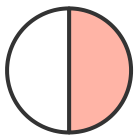
A Add and subtract.

$\frac{5}{7} - \frac{2}{7} =$ ☐ $\quad \frac{1}{7} + \frac{2}{7} =$ ☐ $\quad \frac{6}{7} + \frac{1}{7} =$ ☐

$\frac{4}{7} - \frac{3}{7} =$ ☐ $\quad \frac{2}{4} - \frac{1}{4} =$ ☐ $\quad \frac{7}{12} + \frac{5}{12} =$ ☐

Working out

B What fraction is shaded?


☐


☐


☐


☐

C Find the fraction of each amount.

$\frac{1}{3}$ of 6 = ☐ $\quad \frac{3}{5}$ of 10 = ☐ $\quad \frac{1}{5}$ of 50 = ☐

$\frac{1}{2}$ of 14 = ☐ $\quad \frac{1}{10}$ of 50 = ☐

Working out

How did I do? ☆ ☆ ☆

Barakallahu feek!



Fractions Part 5

Adam's tip
The bottom number shows how many equal parts.

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

A Fill in the missing numbers to make equivalent fractions.

$\frac{1}{3} = \frac{\square}{6}$ $\quad \frac{5}{6} = \frac{25}{\square}$ $\quad \frac{2}{3} = \frac{8}{\square}$

$\frac{4}{5} = \frac{\square}{10}$ $\quad \frac{1}{2} = \frac{5}{\square}$ $\quad \frac{1}{5} = \frac{4}{\square}$

Working out

B Write <, > or =.

$\frac{1}{6} \bigcirc \frac{1}{5}$ $\quad \frac{1}{3} \bigcirc \frac{1}{2}$ $\quad \frac{1}{5} \bigcirc \frac{3}{10}$

$\frac{1}{9} \bigcirc \frac{2}{3}$ $\quad \frac{3}{7} \bigcirc \frac{4}{7}$ $\quad \frac{2}{5} \bigcirc \frac{3}{5}$

C Add and subtract.

$\frac{6}{7} - \frac{1}{7} = \square$ $\quad \frac{10}{12} - \frac{2}{12} = \square$ $\quad \frac{5}{9} - \frac{4}{9} = \square$

$\frac{5}{10} + \frac{5}{10} = \square$ $\quad \frac{5}{6} - \frac{1}{6} = \square$ $\quad \frac{3}{7} + \frac{4}{7} = \square$

Working out

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!



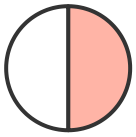
Fractions Part 6

Adam's tip
The bottom number shows how many equal parts.

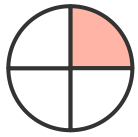
Believe in Allah and His Messenger and spend out of that in which He has made you successors. Qur'an 57:7

A What fraction is shaded?









B Find the fraction of each amount.

$\frac{9}{10}$ of 90 = ☐

$\frac{5}{10}$ of 100 = ☐

$\frac{3}{5}$ of 50 = ☐

$\frac{2}{3}$ of 21 = ☐

$\frac{1}{4}$ of 36 = ☐

$\frac{2}{4}$ of 12 = ☐

Working out

C Fill in the missing numbers to make equivalent fractions.

$\frac{3}{4} = \frac{\square}{16}$

$\frac{1}{4} = \frac{\square}{20}$

$\frac{4}{6} = \frac{\square}{30}$

$\frac{3}{4} = \frac{\square}{8}$

$\frac{1}{2} = \frac{\square}{10}$

$\frac{4}{5} = \frac{\square}{25}$

Working out



Bismillah · Adam's Maths · Year 3 · 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. $7 \times 2 =$ ____
2. 7 m = ____ cm
3. $\frac{1}{5}$ of $40 =$ ____
4. $137 + 60 =$ ____
5. $605 - 50 =$ ____
6. $20 \div 2 =$ ____
7. $35 \div 5 =$ ____
8. 2 kg = ____ g
9. $\frac{1}{2}$ of $20 =$ ____
10. $471 + 4 =$ ____
11. $579 - 10 =$ ____
12. $8 \div 4 =$ ____
13. $6 \times 8 =$ ____
14. 8 m = ____ cm
15. $\frac{1}{5}$ of $50 =$ ____
16. $658 + 60 =$ ____
17. $202 - 3 =$ ____
18. $10 \div 2 =$ ____
19. $12 \div 2 =$ ____
20. 7 kg = ____ g

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



For grown-ups

Answers

p.3 Multiplying and dividing (part 1)
A: 80, 11, 8, 36, 2, 9, 9, 1, 60
B: 46, 205, 46, 140
C: 240, 12, 100, 90

p.4 Multiplying and dividing (part 2)
A: 72, 10, 48, 10
B: 3, 24, 3, 12, 48, 3, 30, 55, 8

p.5 Multiplying and dividing (part 3)
A: 128, 216, 52, 94
B: 75, 56, 64, 200
C: 8, 30, 24, 18, 3, 40, 48, 30, 8

p.6 Multiplying and dividing (part 4)
A: 20, 2, 32, 6
B: 85, 352, 24, 170

p.7 Multiplying and dividing (part 5)
A: 36, 210, 42, 40
B: 21, 11, 24, 5

p.8 Multiplying and dividing (part 6)
A: 10, 2, 20, 4, 3, 30, 4, 8, 40
B: 138, 76, 138, 135
C: 280, 160, 135, 20

p.9 Length and perimeter (part 1)
A: 13 cm, 5 cm
B: 4,000, 6, 7,000, 9,000, 4

p.10 Length and perimeter (part 2)
A: 10 cm
B: 30 cm, 42 cm, 30 cm
C: 232, 592, 862, 665

p.11 Length and perimeter (part 3)
A: 13 cm, 9 cm
B: 7, 90, 5, 700, 6, 6

p.12 Length and perimeter (part 4)
A: 12 cm
B: 28 cm, 26 cm, 22 cm
C: 146, 530, 637, 389

p.13 Length and perimeter (part 5)
A: 4 cm, 12 cm
B: 8, 6, 8,000, 300, 800, 5

p.14 Length and perimeter (part 6)
A: 16 cm, 42 cm, 14 cm
B: 404, 232, 114, 599
C: 14 cm

p.15 Fractions (part 1)
A: 2/5, 1/2, 3/4, 1/3
B: 10, 6, 70, 10, 10, 40
C: 12, 20, 5, 10, 12, 10

p.16 Fractions (part 2)
A: >, >, <, <, <, <
B: 7/9, 8/10, 3/5, 8/8, 1/4, 6/9
C: 2/3, 3/4, 1/4, 1/2



For grown-ups

Answers (continued)

p.17 Fractions (part 3)

A: 3, 20, 5, 2, 7, 3
B: 8, 10, 6, 18, 4, 9
C: >, <, >, >, >, <

p.18 Fractions (part 4)

A: 3/7, 3/7, 7/7, 1/7, 1/4, 12/12
B: 1/2, 1/2, 2/3, 3/4
C: 2, 6, 10, 7, 5

p.19 Fractions (part 5)

A: 2, 30, 12, 8, 10, 20
B: <, <, <, <, <, <
C: 5/7, 8/12, 1/9, 10/10, 4/6, 7/7

p.20 Fractions (part 6)

A: 1/2, 1/2, 1/3, 1/4
B: 81, 50, 30, 14, 9, 6
C: 12, 5, 20, 6, 5, 20

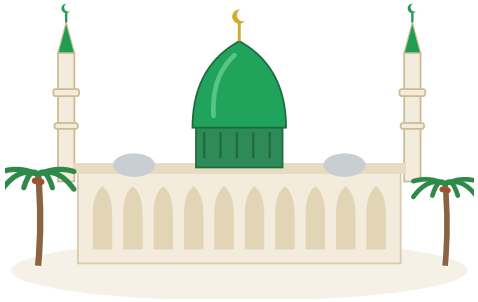
p.21 End-of-term challenge

1) 14, 2) 700, 3) 8, 4) 197, 5) 555, 6) 10, 7) 7, 8) 2,000, 9) 10, 10) 475, 11) 569, 12) 2, 13) 48, 14) 800, 15) 10, 16) 718, 17) 199, 18) 5, 19) 6, 20) 7,000

Mashallah!

Maths Superstar





This is to say that

_____

has completed **Adam's Maths – Year 3, Term 2**. Alhamdulillah for all your hard work! May Allah bless your learning.

_____ _____

Signed **Date**



Adam's Maths · Year 3

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

Place value chart

Ten thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths

Units: 1 m = 100 cm · 1 cm = 10 mm · 1 km = 1,000 m · 1 kg = 1,000 g · 1 l = 1,000 ml

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