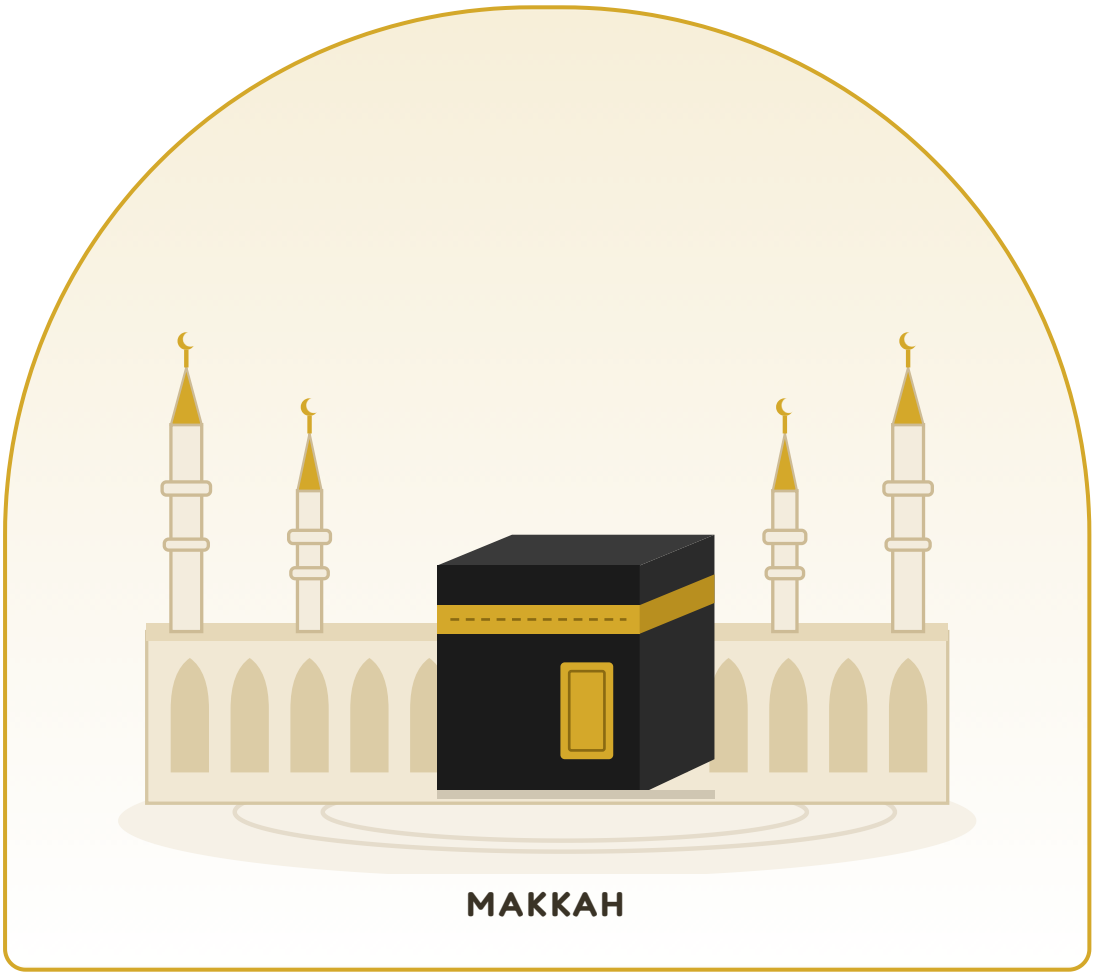
Adam's Maths

Learning, growing, alhamdulillah

Key Stage 2 · Ages 9–10

Year 5 • Term 1

Practice & Question Book



Name: _____

Place value to 1,000,000 · Adding and taking away · Multiples, factors and primes · Fractions



Assalamu alaikum! I'm Adam.

Welcome to your Year 5, Term 1 maths book. This term our journey takes us to **Makkah**. 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	Place value to 1,000,000 (part 1)	☆☆☆
4	Place value to 1,000,000 (part 2)	☆☆☆
5	Place value to 1,000,000 (part 3)	☆☆☆
6	Place value to 1,000,000 (part 4)	☆☆☆
7	Place value to 1,000,000 (part 5)	☆☆☆
8	Adding and taking away (part 1)	☆☆☆
9	Adding and taking away (part 2)	☆☆☆
10	Adding and taking away (part 3)	☆☆☆
11	Adding and taking away (part 4)	☆☆☆
12	Adding and taking away (part 5)	☆☆☆

Page	Topic	Stars
14	Multiples, factors and primes (part 2)	☆☆☆
15	Multiples, factors and primes (part 3)	☆☆☆
16	Multiples, factors and primes (part 4)	☆☆☆
17	Multiples, factors and primes (part 5)	☆☆☆
18	Fractions (part 1)	☆☆☆
19	Fractions (part 2)	☆☆☆
20	Fractions (part 3)	☆☆☆
21	Fractions (part 4)	☆☆☆
22	Fractions (part 5)	☆☆☆

For grown-ups: This book follows the Year 5 National Curriculum for England, in the order most schools teach it during the autumn 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 24. Print on A4 at 100% scale and staple down the left-hand side. More free resources at **adamsclassroom.co.uk**.



Place value to 1,000,000 Part 1

Adam's tip
Use commas to split big numbers into groups of 3 digits.

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

A What is the highlighted digit worth?

702,485	457,590	988,540
702,645	908,825	601,978

B Fill in the missing part.

796,670 = ☐ + 90,000 + 6,000 + 600 + 70

227,433 = 200,000 + 20,000 + 7,000 + 400 + ☐ + 3

991,730 = 900,000 + ☐ + 1,000 + 700 + 30

714,282 = 700,000 + 10,000 + 4,000 + ☐ + 80 + 2

C Write <, > or =.

534,619 ◯ 874,336	808,992 ◯ 807,992
708,497 ◯ 708,587	62,426 ◯ 239,054
373,381 ◯ 382,381	75,233 ◯ 75,323

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!



Place value to 1,000,000 Part 2

Adam's tip
Use commas to split big numbers into groups of 3 digits.

Recite in the name of your Lord who created. Qur'an 96:1

A Put these numbers in order, smallest first.

111,024 | 358,686 | 185,120 | 638,399 | 47,428

[ ] [ ] [ ] [ ] [ ]

B Find the missing numbers in each pattern.

175,000 , 200,000 , 225,000 , [ ] , 275,000 , [ ]

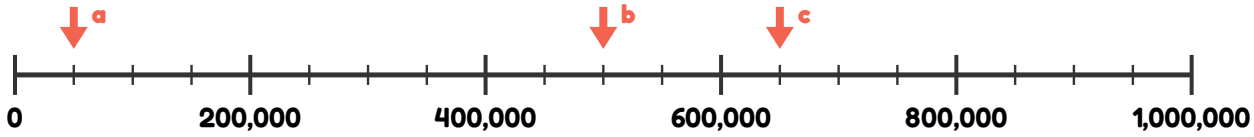
0 , [ ] , 50,000 , 75,000 , 100,000 , [ ]

30,000 , 40,000 , 50,000 , [ ] , [ ] , 80,000

120,000 , [ ] , 140,000 , 150,000 , 160,000 , [ ]

Working out

C What numbers are the arrows pointing to?



a = [ ] b = [ ] c = [ ]



Place value to 1,000,000 Part 3

Adam's tip
Use commas to split big numbers into groups of 3 digits.

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

A More or less?

1,000 less than 498,129 is ☐

10,000 more than 874,730 is ☐

1,000 less than 544,779 is ☐

100,000 more than 502,804 is ☐

10,000 more than 407,909 is ☐

10,000 more than 783,671 is ☐

B Write these numbers in digits.

nine hundred and forty-three thousand three hundred and seventy-two

☐

six hundred and six thousand nine hundred and fifty-six

☐

one hundred and forty-one thousand nine hundred and forty-five

☐

Write **723,559** in words:

_____

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



Place value to 1,000,000 Part 4

Adam's tip
Use commas to split big numbers into groups of 3 digits.

"Shall I not tell you of something which, if you do it, you will love one another? Spread salam among yourselves." **Hadith, Muslim**

A Round each number.

319,664 to the nearest 1,000:

18,753 to the nearest 1,000:

483,998 to the nearest 100,000:

952,881 to the nearest 100,000:

720,435 to the nearest 10,000:

134,213 to the nearest 100,000:

B Roman numerals.

MDXXXII =

715 =

MDCCCXVII =

1482 =

DCCXXXI =

1154 =

C Put these numbers in order, smallest first.

205,712 **236,273** **986,284** **337,568** **685,682**



Place value to 1,000,000 Part 5

Adam's tip
Use commas to split big numbers into groups of 3 digits.

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

A What is the highlighted digit worth?

926,713 ☐

747,901 ☐

881,910 ☐

494,127 ☐

298,950 ☐

322,990 ☐

B Fill in the missing part.

567,796 = 500,000 + 60,000 + 7,000 + 700 + 90 + ☐

280,316 = 200,000 + ☐ + 300 + 10 + 6

925,443 = 900,000 + 20,000 + 5,000 + 400 + 40 + ☐

87,962 = 80,000 + 7,000 + 900 + 60 + ☐

C Write <, > or =.

452,262 ◯ 116,789

594,623 ◯ 594,626

679,959 ◯ 779,959

723,124 ◯ 714,124

717,038 ◯ 952,982

690,457 ◯ 362,730

How did I do? ☆ ☆ ☆

Mashallah, you're a star!



Adding and taking away Part 1

Adam's tip
Use the column method for big numbers.

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 Add.

237,205 + 1,000 = ☐

419,167 + 9,000 = ☐

171,389 + 2,000 = ☐

547,422 + 900,000 = ☐

636,438 + 700,000 = ☐

216,634 + 8,000 = ☐

Working out

B Take away.

357,201 − 60,000 = ☐

1,453,513 − 900,000 = ☐

686,989 − 300,000 = ☐

315,868 − 100,000 = ☐

1,384,749 − 800,000 = ☐

324,647 − 80,000 = ☐

Working out

How did I do? ☆ ☆ ☆

Mashallah, well done!



Adding and taking away Part 2

Adam's tip
Use the column method for big numbers.

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

A Use the column method.

	2	8	4	6	7	
+		4	3	4	7	5

	4	6	7	1	1	
−		6	2	6	4	

	9	8	3	4	9	
+		3	7	4	7	5

B Find the missing number.

259,328 + ☐ = 261,328

☐ − 2,000 = 215,536

☐ − 300,000 = 247,595

☐ − 30,000 = 142,336

518,715 + ☐ = 525,715

☐ − 50,000 = 443,984

Working out

C Number bonds to 1,000,000.

950,000 + ☐ = 1,000,000

200,000 + ☐ = 1,000,000

☐ + 50,000 = 1,000,000

300,000 + ☐ = 1,000,000

250,000 + ☐ = 1,000,000

900,000 + ☐ = 1,000,000

How did I do? ☆ ☆ ☆

Alhamdulillah, that's excellent!



Adding and taking away Part 3

Adam's tip
Use the column method for big numbers.

Or feeding on a day of severe hunger an orphan of near relationship or a needy person in misery. Qur'an 90:14–16

A Estimate by rounding to the nearest 10,000.

59,917 + 57,377 ≈ ☐ + ☐ = ☐

45,643 + 54,898 ≈ ☐ + ☐ = ☐

34,334 + 59,543 ≈ ☐ + ☐ = ☐

Working out

B Use the first fact to help you.

40,936 + 43,967 = 84,903

84,903 − 43,967 = ☐

84,903 − 40,936 = ☐

43,967 + 40,936 = ☐

C Use the column method.

	5	8	0	6	0
+	2	6	2	3	3

7	7	0	4	7	
− 4	7	6	0	8	

	2	0	4	5	9
+	1	7	6	3	7

How did I do? ☆ ☆ ☆

Barakallahu feek!



Adding and taking away Part 4

Adam's tip
Use the column method for big numbers.

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.

Ruby has 45,979 pencils. Yusuf gives Ruby 36,072 more. How many pencils does Ruby have now?

working out

pencils

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

working out

pencils

Ruby buys a book for £8.11 and a pen for £4.47. How much change does Ruby get from £20.00?

working out

There are 69,371 shells in a box. Noah takes out 19,753. How many are left?

working out

shells

B Add.

586,634 + 800,000 =

307,627 + 5,000 =

519,794 + 4,000 =

372,664 + 2,000 =

343,258 + 30,000 =

560,947 + 300,000 =

Working out



Adding and taking away Part 5

Adam's tip
Use the column method for big numbers.

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 Take away.

313,866 − 2,000 = ☐

315,100 − 5,000 = ☐

849,241 − 500,000 = ☐

1,469,322 − 800,000 = ☐

144,510 − 60,000 = ☐

401,182 − 40,000 = ☐

Working out

B Find the missing number.

☐ − 200,000 = 106,899

☐ − 100,000 = 196,968

128,266 + ☐ = 133,266

☐ − 5,000 = 262,139

☐ − 90,000 = 285,231

104,563 + ☐ = 124,563

Working out

How did I do? ☆ ☆ ☆

Keep going, insha'Allah!



Multiples, factors and primes Part 1

Adam's tip
A prime number has exactly 2 factors.

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

A List all the factors.

Factors of **48** : _____

Factors of **60** : _____

Factors of **18** : _____

B Circle the prime numbers.

18	**14**	**16**	**7**	**24**	**43**	**27**	**25**	**3**	**45**

Which of these are multiples of 6? _____

C Square and cube numbers.

$7^2 =$ ☐ $3^2 =$ ☐ $2^3 =$ ☐

$9^2 =$ ☐ $3^3 =$ ☐ $2^2 =$ ☐

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



Multiples, factors and primes Part 2

Adam's tip
A prime number has exactly 2 factors.

"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 and divide by 10, 100, 1000.

8,880 ÷ 10 = ☐

9,400 ÷ 100 = ☐

950 ÷ 10 = ☐

600 ÷ 10 = ☐

7,400 ÷ 100 = ☐

28 × 1,000 = ☐

Working out

B Word problems.

There are 24 shells in each packet. How many shells are there in 16 packets?

working out

☐ shells

760 marbles are shared equally between 8 children. How many marbles does each child get?

working out

☐ marbles

A school buys 25 boxes of pencils with 15 pencils in each box. 109 pencils are given out. How many pencils are left?

working out

☐ pencils

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

working out

☐ cards



Multiples, factors and primes Part 3

Adam's tip
A prime number has exactly 2 factors.

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

A List all the factors.

Factors of **18** : _____

Factors of **48** : _____

Factors of **12** : _____

B Circle the prime numbers.

30 **22** **26** **47** **14** **7** **15** **35** **4** **3**

Which of these are multiples of 4? _____

C Square and cube numbers.

$7^2 =$ ☐ $3^2 =$ ☐ $4^2 =$ ☐

$6^2 =$ ☐ $2^2 =$ ☐ $12^2 =$ ☐

How did I do? ☆ ☆ ☆

Mashallah, you're a star!



Multiples, factors and primes Part 4

Adam's tip
A prime number has exactly 2 factors.

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 and divide by 10, 100, 1000.

43 × 1,000 = ☐

234 × 100 = ☐

750 ÷ 10 = ☐

736 × 10 = ☐

53 × 100 = ☐

79,300 ÷ 100 = ☐

Working out

B Word problems.

There are 15 sweets in each packet. How many sweets are there in 9 packets?

working out

☐ sweets

1,746 sweets are shared equally between 9 children. How many sweets does each child get?

working out

☐ sweets

A school buys 40 boxes of pencils with 15 pencils in each box. 170 pencils are given out. How many pencils are left?

working out

☐ pencils

There are 36 badges in each packet. How many badges are there in 27 packets?

working out

☐ badges

How did I do? ☆ ☆ ☆

Mashallah, well done!



Multiples, factors and primes Part 5

Adam's tip
A prime number has exactly 2 factors.

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

A List all the factors.

Factors of **48** : _____

Factors of **12** : _____

Factors of **40** : _____

B Circle the prime numbers.

14	**12**	**9**	**43**	**15**	**46**	**36**	**42**	**25**	**19**

Which of these are multiples of 3? _____

C Square and cube numbers.

$10^2 =$ ☐ $4^2 =$ ☐ $6^2 =$ ☐

$5^2 =$ ☐



Fractions Part 1

Adam's tip
Multiply the top and bottom by the same number.

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

A Fill in the missing numbers to make equivalent fractions.

$\frac{4}{8} = \frac{\square}{40}$ $\quad \frac{6}{7} = \frac{30}{\square}$ $\quad \frac{1}{3} = \frac{\square}{15}$

$\frac{1}{4} = \frac{3}{\square}$ $\quad \frac{1}{5} = \frac{2}{\square}$ $\quad \frac{3}{8} = \frac{12}{\square}$

Working out

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

$3\frac{3}{4} = \square$ $\quad \frac{9}{2} = \square$ $\quad 4\frac{1}{5} = \square$

$\frac{25}{6} = \square$ $\quad 4\frac{1}{2} = \square$ $\quad \frac{7}{3} = \square$

C Write <, > or =.

$\frac{3}{5} \bigcirc \frac{1}{2}$ $\quad \frac{5}{6} \bigcirc \frac{2}{3}$ $\quad \frac{1}{4} \bigcirc \frac{1}{2}$

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

How did I do? ☆ ☆ ☆

Barakallahu feek!



Fractions Part 2

Adam's tip
Multiply the top and bottom by the same 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.

$\frac{1}{2} + \frac{2}{3} =$ ☐ $\quad \frac{2}{5} - \frac{1}{10} =$ ☐ $\quad \frac{1}{2} + \frac{1}{3} =$ ☐

$\frac{2}{3} + \frac{1}{3} =$ ☐ $\quad \frac{2}{3} + \frac{7}{9} =$ ☐

Working out

B Fill in the missing numbers to make equivalent fractions.

$\frac{6}{7} = \frac{\square}{28}$ $\quad \frac{3}{6} = \frac{\square}{18}$ $\quad \frac{4}{8} = \frac{\square}{24}$

$\frac{1}{3} = \frac{\square}{15}$ $\quad \frac{1}{7} = \frac{4}{\square}$ $\quad \frac{2}{6} = \frac{\square}{30}$

Working out

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

$2\ \frac{1}{5} =$ ☐ $\quad \frac{30}{7} =$ ☐ $\quad 3\ \frac{2}{4} =$ ☐

$\frac{13}{5} =$ ☐ $\quad 1\ \frac{1}{4} =$ ☐ $\quad \frac{20}{8} =$ ☐

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!



Fractions Part 3

Adam's tip
Multiply the top and bottom by the same number.

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 =.

$\frac{11}{12}$ ◯ $\frac{1}{2}$ $\quad$ $\frac{7}{8}$ ◯ $\frac{1}{2}$ $\quad$ $\frac{3}{8}$ ◯ $\frac{1}{4}$

$\frac{2}{3}$ ◯ $\frac{1}{2}$ $\quad$ $\frac{1}{4}$ ◯ $\frac{1}{2}$ $\quad$ $\frac{1}{6}$ ◯ $\frac{2}{3}$

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

$\frac{3}{4} + \frac{5}{8} =$ ☐ $\quad$ $\frac{1}{5} - \frac{1}{10} =$ ☐ $\quad$ $\frac{7}{9} - \frac{1}{3} =$ ☐

$\frac{1}{3} + \frac{1}{3} =$ ☐ $\quad$ $\frac{5}{8} - \frac{1}{2} =$ ☐

Working out

C Fill in the missing numbers to make equivalent fractions.

$\frac{5}{6} = \frac{25}{\square}$ $\quad$ $\frac{1}{3} = \frac{\square}{6}$ $\quad$ $\frac{3}{7} = \frac{9}{\square}$

$\frac{4}{6} = \frac{12}{\square}$ $\quad$ $\frac{3}{8} = \frac{6}{\square}$ $\quad$ $\frac{1}{4} = \frac{2}{\square}$

Working out



Fractions Part 4

Adam's tip
Multiply the top and bottom by the same number.

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

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

$2\frac{6}{8} = \square$ $\quad \frac{5}{2} = \square$ $\quad 4\frac{1}{2} = \square$

$\frac{27}{8} = \square$ $\quad 2\frac{3}{4} = \square$ $\quad \frac{13}{4} = \square$

B Write <, > or =.

$\frac{1}{10} \bigcirc \frac{1}{2}$ $\quad \frac{1}{4} \bigcirc \frac{1}{2}$ $\quad \frac{1}{2} \bigcirc \frac{4}{5}$

$\frac{3}{8} \bigcirc \frac{3}{4}$ $\quad \frac{5}{6} \bigcirc \frac{1}{3}$ $\quad \frac{7}{8} \bigcirc \frac{3}{4}$

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

$\frac{3}{4} + \frac{2}{3} = \square$ $\quad \frac{2}{3} + \frac{5}{6} = \square$ $\quad \frac{3}{4} - \frac{5}{8} = \square$

$\frac{11}{12} - \frac{3}{4} = \square$ $\quad \frac{1}{2} - \frac{3}{8} = \square$

Working out

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



Fractions Part 5

Adam's tip
Multiply the top and bottom by the same number.

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

A Fill in the missing numbers to make equivalent fractions.

$\frac{2}{5} = \frac{\square}{20}$ $\quad \frac{4}{7} = \frac{12}{\square}$ $\quad \frac{2}{3} = \frac{\square}{9}$

$\frac{2}{7} = \frac{\square}{35}$ $\quad \frac{3}{5} = \frac{12}{\square}$ $\quad \frac{1}{4} = \frac{\square}{12}$

Working out

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

$4\frac{5}{8} = \square$ $\quad \frac{7}{3} = \square$ $\quad 1\frac{3}{4} = \square$

$\frac{11}{8} = \square$ $\quad 4\frac{3}{6} = \square$ $\quad \frac{25}{6} = \square$

C Write <, > or =.

$\frac{7}{8} \bigcirc \frac{1}{2}$ $\quad \frac{1}{10} \bigcirc \frac{1}{2}$ $\quad \frac{7}{8} \bigcirc \frac{1}{4}$

$\frac{11}{12} \bigcirc \frac{1}{2}$ $\quad \frac{1}{2} \bigcirc \frac{1}{2}$ $\quad \frac{1}{3} \bigcirc \frac{2}{3}$



Bismillah · Adam's Maths · Year 5 · Term 1 · Makkah

End-of-term challenge

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

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

Time: 20 minutes **Score: ☐ / 20**

1. 342,569 + 1,000 = ☐
2. 402,433 + 80,000 = ☐
3. 2 × 7 = ☐
4. $\frac{1}{3}$ of 9 = ☐
5. 467,191 + 600,000 = ☐
6. 1,223,993 − 900,000 = ☐
7. 22 ÷ 2 = ☐
8. 226,953 + 10 = ☐
9. 38,865 + 30,000 = ☐
10. 48 ÷ 6 = ☐
11. $\frac{1}{10}$ of 100 = ☐
12. 200,102 + 6,000 = ☐
13. 715,926 − 400,000 = ☐
14. 35 × 5 = ☐
15. 131,327 + 1,000 = ☐
16. 57,990 + 8,000 = ☐
17. 77 × 8 = ☐
18. $\frac{1}{2}$ of 16 = ☐
19. 402,983 + 30,000 = ☐
20. 517,284 − 80,000 = ☐

How did I do? ☆ ☆ ☆

Mashallah, you're a star!



For grown-ups

Answers

p.3 Place value to 1,000,000 (part 1)

A: 5, 500, 40, 600, 8,000, 70
B: 700,000, 30, 90,000, 200
C: <, >, <, <, <, <

p.4 Place value to 1,000,000 (part 2)

A: 47,428, 111,024, 185,120, 358,686, 638,399
B: 250,000 & 300,000, 25,000 & 125,000, 60,000 & 70,000, 130,000 & 170,000
C: a = 50,000, b = 500,000, c = 650,000

p.5 Place value to 1,000,000 (part 3)

A: 497,129, 884,730, 543,779, 602,804, 417,909, 793,671
B: 943,372, 606,956, 141,945, seven hundred and twenty-three thousand five hundred and fifty-nine

p.6 Place value to 1,000,000 (part 4)

A: 320,000, 19,000, 500,000, 1,000,000, 720,000, 100,000
B: 1532, DCCXV, 1817, MCDLXXXII, 731, MCLIV
C: 205,712, 236,273, 337,568, 685,682, 986,284

p.7 Place value to 1,000,000 (part 5)

A: 700, 40,000, 900, 100, 90,000, 90
B: 6, 80,000, 3, 2
C: >, <, <, >, <, >

p.8 Adding and taking away (part 1)

A: 238,205, 428,167, 173,389, 1,447,422, 1,336,438, 224,634
B: 297,201, 553,513, 386,989, 215,868, 584,749, 244,647

p.9 Adding and taking away (part 2)

A: 71,942, 40,447, 135,824
B: 2,000, 217,536, 547,595, 172,336, 7,000, 493,984
C: 50,000, 800,000, 950,000, 700,000, 750,000, 100,000

p.10 Adding and taking away (part 3)

A: 60,000 + 60,000 = 120,000, 50,000 + 50,000 = 100,000, 30,000 + 60,000 = 90,000
B: 40,936, 43,967, 84,903
C: 84,293, 29,439, 38,096

p.11 Adding and taking away (part 4)

A: 82,051, 154, £7.42, 49,618
B: 1,386,634, 312,627, 523,794, 374,664, 373,258, 860,947

p.12 Adding and taking away (part 5)

A: 311,866, 310,100, 349,241, 669,322, 84,510, 361,182
B: 306,899, 296,968, 5,000, 267,139, 375,231, 20,000



For grown-ups

Answers (continued)

p.13 Multiples, factors and primes (part 1)

A: {1, 2, 3, 4, 6, 8, 12, 16, 24, 48}, {1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60}, {1, 2, 3, 6, 9, 18}
B: primes: 7, 43, 3; multiples of 6: 18, 24
C: 49, 9, 8, 81, 27, 4

p.14 Multiples, factors and primes (part 2)

A: 888, 94, 95, 60, 74, 28,000
B: 384, 95, 266, 144

p.15 Multiples, factors and primes (part 3)

A: {1, 2, 3, 6, 9, 18}, {1, 2, 3, 4, 6, 8, 12, 16, 24, 48}, {1, 2, 3, 4, 6, 12}
B: primes: 47, 7, 3; multiples of 4: 4
C: 49, 9, 16, 36, 4, 144

p.16 Multiples, factors and primes (part 4)

A: 43,000, 23,400, 75, 7,360, 5,300, 793
B: 135, 194, 430, 972

p.17 Multiples, factors and primes (part 5)

A: {1, 2, 3, 4, 6, 8, 12, 16, 24, 48}, {1, 2, 3, 4, 6, 12}, {1, 2, 4, 5, 8, 10, 20, 40}
B: primes: 43, 19; multiples of 3: 12, 9, 15, 36, 42
C: 100, 16, 36, 25

p.18 Fractions (part 1)

A: 20, 35, 5, 12, 10, 32
B: 15/4, 4 1/2, 21/5, 4 1/6, 9/2, 2 1/3
C: >, >, <, <, =

p.19 Fractions (part 2)

A: 1 1/6, 3/10, 5/6, 1, 1 4/9
B: 24, 9, 12, 5, 28, 10
C: 11/5, 4 2/7, 14/4, 2 3/5, 5/4, 2 4/8

p.20 Fractions (part 3)

A: >, >, >, >, <, <
B: 1 3/8, 1/10, 4/9, 2/3, 1/8
C: 30, 2, 21, 18, 16, 8

p.21 Fractions (part 4)

A: 22/8, 2 1/2, 9/2, 3 3/8, 11/4, 3 1/4
B: <, <, <, <, >, >
C: 1 5/12, 1 1/2, 1/8, 1/6, 1/8

p.22 Fractions (part 5)

A: 8, 21, 6, 10, 20, 3
B: 37/8, 2 1/3, 7/4, 1 3/8, 27/6, 4 1/6
C: >, <, >, >, =, <

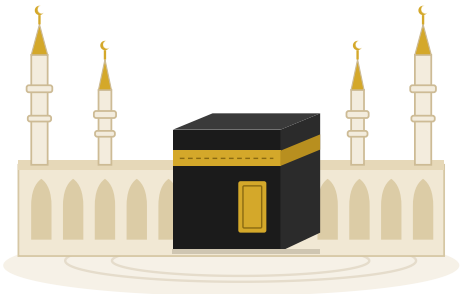
p.23 End-of-term challenge

1) 343,569, 2) 482,433, 3) 14, 4) 3, 5) 1,067,191, 6) 323,993, 7) 11, 8) 226,963, 9) 68,865, 10) 8, 11) 10, 12) 206,102, 13) 315,926, 14) 175, 15) 132,327, 16) 65,990, 17) 616, 18) 8, 19) 432,983, 20) 437,284

Mashallah!

Maths Superstar





This is to say that

_____

has completed **Adam's Maths – Year 5, Term 1**. 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)