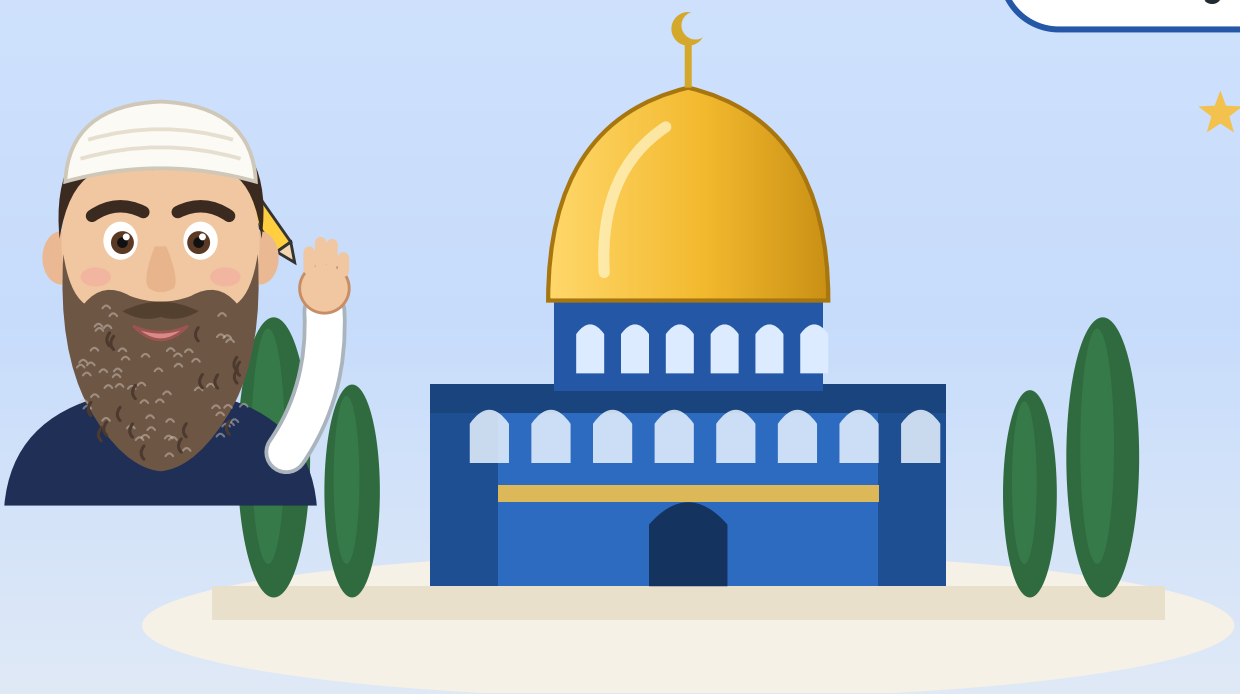
Key Stage 1 · Ages 6–7

Adam's Maths

Learning, growing, alhamdulillah

Year 2

Term 3 · Masjid al-Aqsa · Practice & Question Book



This book belongs to: _____



Assalamu alaikum! I'm Adam.

Welcome to your Year 2, Term 3 maths book. This term our journey takes us to **Masjid al-Aqsa**. 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	Fractions (part 1)	☆☆☆
4	Fractions (part 2)	☆☆☆
5	Fractions (part 3)	☆☆☆
6	Fractions (part 4)	☆☆☆
7	Fractions (part 5)	☆☆☆
8	Time (part 1)	☆☆☆
9	Time (part 2)	☆☆☆
10	Time (part 3)	☆☆☆
11	Time (part 4)	☆☆☆
12	Time (part 5)	☆☆☆

Page	Topic	Stars
13	Charts and graphs (part 1)	☆☆☆
14	Charts and graphs (part 2)	☆☆☆
15	Charts and graphs (part 3)	☆☆☆
16	Charts and graphs (part 4)	☆☆☆
17	Charts and graphs (part 5)	☆☆☆
18	Position and direction (part 1)	☆☆☆
19	Position and direction (part 2)	☆☆☆
20	Position and direction (part 3)	☆☆☆
21	End-of-term challenge	☆☆☆

For grown-ups: This book follows the Year 2 National Curriculum for England, in the order most schools teach it during the summer 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**.

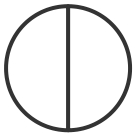


Fractions Part 1

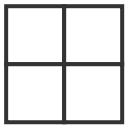
Adam's tip
The parts must be equal!

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

A Colour the fraction of each shape.



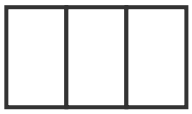
$\frac{1}{2}$



$\frac{1}{4}$

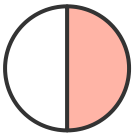


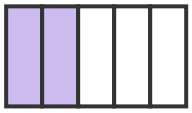
$\frac{3}{4}$



$\frac{1}{3}$

B What fraction is shaded?









C Circle $\frac{1}{2}$ of the balls.



$\frac{1}{2}$ of 6 = ☐

D Find the fraction of each amount.

$\frac{1}{3}$ of 15 = ☐

$\frac{1}{2}$ of 4 = ☐

$\frac{1}{3}$ of 9 = ☐

$\frac{1}{2}$ of 10 = ☐

$\frac{1}{4}$ of 12 = ☐

$\frac{1}{3}$ of 12 = ☐

How did I do? ☆ ☆ ☆

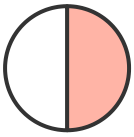
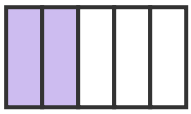
SubhanAllah, look how you're growing!

Fractions Part 2

Adam's tip
The parts must be equal!

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

A What fraction is shaded?



B Find the fraction of each amount.

$\frac{1}{4}$ of 20 = ☐ $\frac{1}{4}$ of 24 = ☐ $\frac{1}{4}$ of 12 = ☐

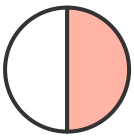
$\frac{1}{3}$ of 9 = ☐ $\frac{1}{3}$ of 15 = ☐ $\frac{3}{4}$ of 16 = ☐

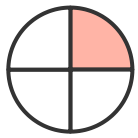
C Circle $\frac{1}{4}$ of the balls.



$\frac{1}{4}$ of 12 = ☐

D What fraction is shaded?



Fractions Part 3

Adam's tip
The parts must be equal!

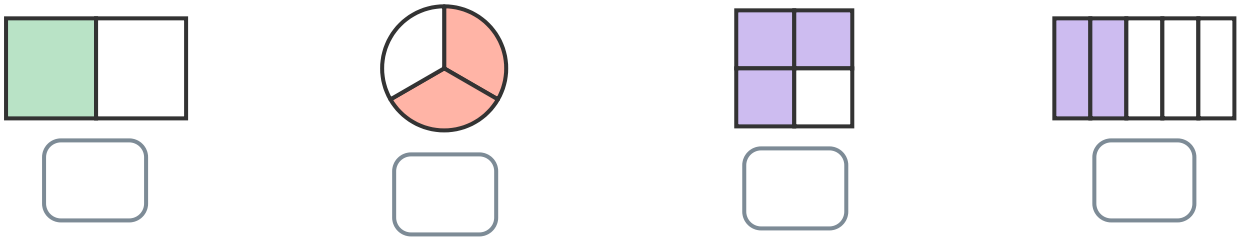
So as for the orphan, do not oppress him. — Qur'an 93:9

A Find the fraction of each amount.

$\frac{1}{3}$ of 12 = ☐ $\frac{1}{3}$ of 9 = ☐ $\frac{1}{4}$ of 24 = ☐

$\frac{1}{2}$ of 8 = ☐

B What fraction is shaded?



☐ ☐ ☐ ☐

C Circle $\frac{1}{2}$ of the balls.



$\frac{1}{2}$ of 8 = ☐

D Find the fraction of each amount.

$\frac{1}{3}$ of 9 = ☐ $\frac{3}{4}$ of 20 = ☐ $\frac{1}{2}$ of 8 = ☐

$\frac{1}{2}$ of 10 = ☐ $\frac{1}{4}$ of 16 = ☐ $\frac{1}{2}$ of 4 = ☐

How did I do? ☆ ☆ ☆

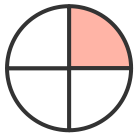
Mashallah, brilliant work!

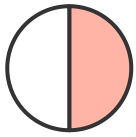
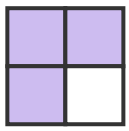
Fractions Part 4

Adam's tip
The parts must be equal!

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

A What fraction is shaded?



B Find the fraction of each amount.

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

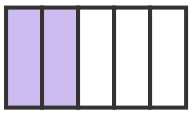
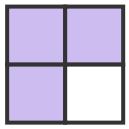
$\frac{1}{3}$ of 9 = ☐ $\frac{1}{4}$ of 8 = ☐

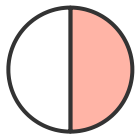
C Circle $\frac{1}{2}$ of the balls.



$\frac{1}{2}$ of 10 = ☐

D What fraction is shaded?



How did I do? ☆ ☆ ☆

Alhamdulillah for learning!

Fractions Part 5

Adam's tip
The parts must be equal!

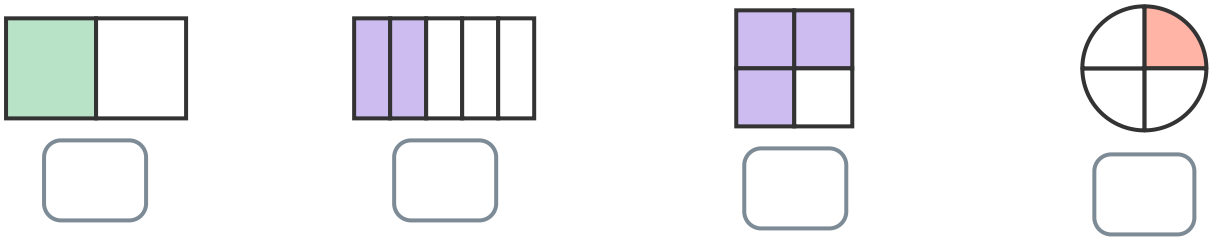
Believe in Allah and His Messenger and spend out of that in which He has made you successors. — Qur'an 57:7

A Find the fraction of each amount.

$\frac{1}{3}$ of 18 = ☐ $\frac{1}{4}$ of 12 = ☐ $\frac{1}{2}$ of 12 = ☐

$\frac{1}{3}$ of 6 = ☐ $\frac{1}{3}$ of 12 = ☐

B What fraction is shaded?



☐ ☐ ☐ ☐

C Find the fraction of each amount.

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

$\frac{1}{3}$ of 9 = ☐ $\frac{1}{4}$ of 20 = ☐ $\frac{1}{3}$ of 18 = ☐

D What fraction is shaded?



☐ ☐ ☐ ☐

Time Part 1

Adam's tip
Count in 5s round the clock for the minutes.

Indeed, prayer has been decreed upon the believers at specified times. Qur'an 4:103

A What time does each clock show?



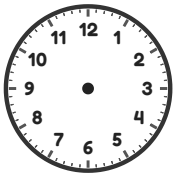


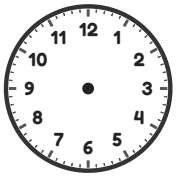


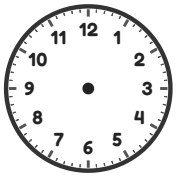


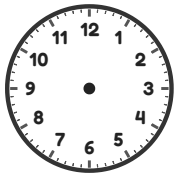


B Draw the hands on the clocks.


20 to 12


quarter to 10


quarter past 4


20 to 1

C Time facts.

There are ☐ months in a year.

There are ☐ days in a week.

There are ☐ hours in a day.

There are ☐ minutes in an hour.

Time Part 2

Adam's tip
Count in 5s round the clock for the minutes.

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

A How long does it last?

Swimming starts at 15:15 and ends at 16:25. It lasts ____ minutes.

Arabic class starts at 10:55 and ends at 12:20. It lasts ____ minutes.

Arabic class starts at 10:30 and ends at 10:50. It lasts ____ minutes.

The masjid bake sale starts at 15:15 and ends at 15:35. It lasts ____ minutes.

B What time does each clock show?






_____ _____ _____ _____






_____ _____ _____ _____

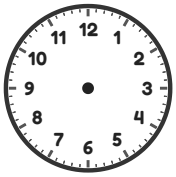


Time Part 3

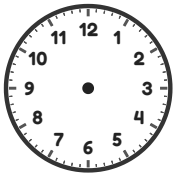
Adam's tip
Count in 5s round the clock for the minutes.

Your Lord has decreed that you worship none but Him, and that you be good to your parents. Qur'an 17:23

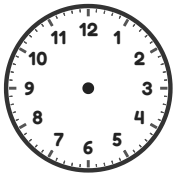
A Draw the hands on the clocks.



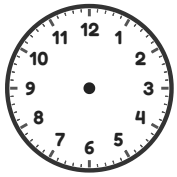
quarter past 8



20 to 12



20 to 5



20 past 7

B Time facts.

There are ☐ minutes in an hour.

There are ☐ months in a year.

There are ☐ hours in a day.

There are ☐ days in a week.

C How long does it last?

The Eid fair starts at 10:10 and ends at 11:00. It lasts ☐ minutes.

Qur'an club starts at 7:25 and ends at 8:10. It lasts ☐ minutes.

Swimming starts at 8:20 and ends at 9:55. It lasts ☐ minutes.

Arabic class starts at 10:20 and ends at 10:35. It lasts ☐ minutes.

Time Part 4

Adam's tip
Count in 5s round the clock for the minutes.

Indeed, prayer has been decreed upon the believers at specified times. Qur'an 4:103

A What time does each clock show?



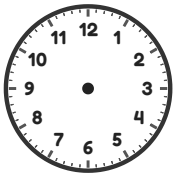


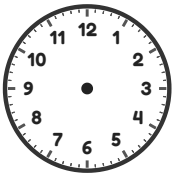


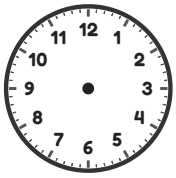


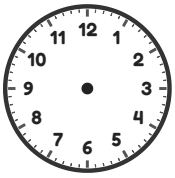


B Draw the hands on the clocks.


20 past 9


quarter past 11


quarter to 6


quarter to 7

C Time facts.

There are ____ months in a year.

There are ____ minutes in an hour.

There are ____ days in a week.

There are ____ hours in a day.



Time Part 5

Adam's tip
Count in 5s round the clock for the minutes.

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

A How long does it last?

The Eid fair starts at 15:50 and ends at 17:15. It lasts ____ minutes.

Swimming starts at 10:00 and ends at 10:45. It lasts ____ minutes.

Swimming starts at 10:40 and ends at 10:55. It lasts ____ minutes.

Qur'an club starts at 10:55 and ends at 11:15. It lasts ____ minutes.

B What time does each clock show?



_____



_____



_____



_____



_____



_____



_____



_____



Charts and graphs

Part 1

Adam's tip
Always check the key on a pictogram.

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

A Read the tally chart.

Choice	Tally
food bank	𝍸 |
orphans' fund	||
water well	𝍸 𝍸 |
tree planting	𝍷

How many chose food bank? ☐

Which was the most popular? _____

How many more chose water well than orphans' fund?

☐

How many altogether? ☐

B Read the pictogram.

Key: ● = 2

food bank	● ● ●
orphans' fund	● ● ●
water well	● ● ● ● ● ●
tree planting	● ● ● ●

How many chose orphans' fund?

☐

How many chose water well? ☐

Which was the most popular?

_____

How many altogether? ☐



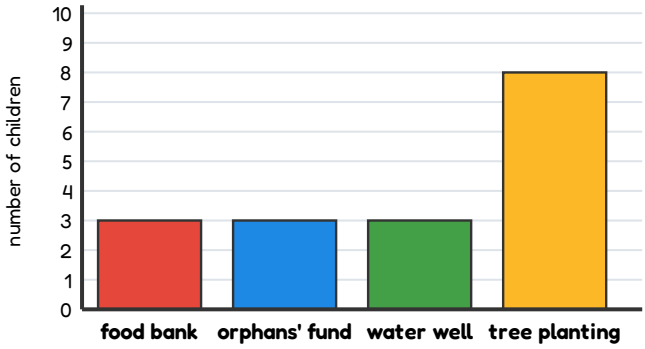
Charts and graphs

Part 2

Adam's tip
Always check the key on a pictogram.

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

A Read the bar chart.



How many chose food bank? ☐

How many more chose tree planting than food bank?

☐

How many altogether? ☐

B Read the tally chart.

Choice	Tally
food bank	𝍸 |
orphans' fund	𝍸 𝍸 |
water well	𝍸 𝍸 |
tree planting	𝍸

How many chose food bank? ☐

Which was the most popular? _____

How many more chose orphans' fund than food bank?

☐

How many altogether? ☐



Charts and graphs

Part 3

Adam's tip
Always check the key on a pictogram.

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

A Read the pictogram.

Key: ● = 2

food bank	●●●●
orphans' fund	●●●
water well	●●
tree planting	●●●

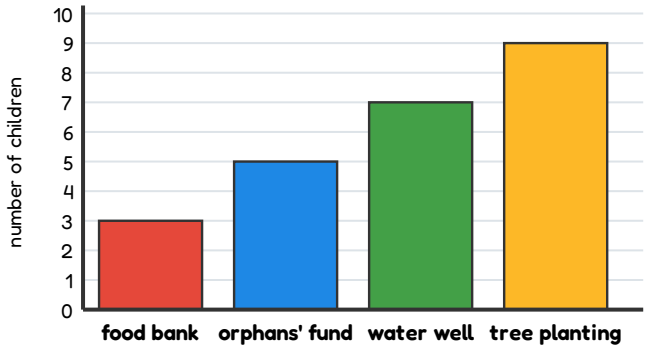
How many chose orphans' fund? ☐

How many chose water well? ☐

Which was the most popular? _____

How many altogether? ☐

B Read the bar chart.



How many chose food bank? ☐

How many more chose tree planting than food bank?

☐

How many altogether? ☐



Charts and graphs

Part 4

Adam's tip
Always check the key on a pictogram.

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

A Read the tally chart.

Choice	Tally
food bank	𝍸 ||
orphans' fund	|||
water well	𝍸 ||||
tree planting	||||

How many chose food bank? ☐

Which was the most popular? _____

How many more chose water well than orphans' fund?

☐

How many altogether? ☐

B Read the pictogram.

Key: ● = 2

food bank	●●●●●
orphans' fund	●●●●●
water well	●●●●●●
tree planting	●●●●●

How many chose orphans' fund?

☐

How many chose water well? ☐

Which was the most popular?

_____

How many altogether? ☐



Charts and graphs

Part 5

Adam's tip
Always check the key on a pictogram.

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

A Read the tally chart.

Choice	Tally
food bank	𝍸 𝍸 ||
orphans' fund	||||
water well	||||
tree planting	𝍸 ||

How many chose food bank? ☐

Which was the most popular? _____

How many more chose food bank than orphans' fund?

☐

How many altogether? ☐

B Read the pictogram.

Key: ● = 2

food bank	●●●●●●
orphans' fund	●●●●●
water well	●●●●●
tree planting	●●●●

How many chose orphans' fund?

☐

How many chose water well? ☐

Which was the most popular?

_____

How many altogether? ☐

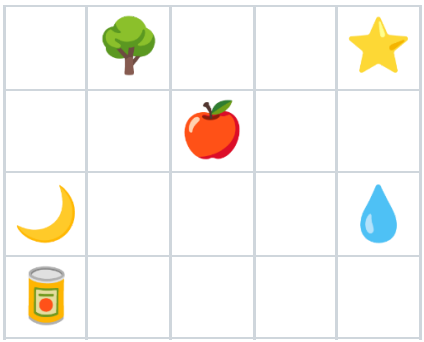


Position and direction Part 1

Adam's tip
Clockwise means the way clock hands turn.

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

A Moving on a grid.



Start at 🌳. Go 3 right and 2 down. What do you find? ☐

Start at 🌳. Go 1 right and 1 down. What do you find? ☐

Start at 🌳. Go 1 left and 3 down. What do you find? ☐

B Left and right.

🥫 🌳 🌻 🌙 ⭐

What is just to the **left** of 🌻 ? ☐

What is just to the **right** of 🌻 ? ☐

What is **first** in the line? ☐



Position and direction Part 2

Adam's tip
Clockwise means the way clock hands turn.

"If a Muslim plants a tree and a bird, a person or an animal eats from it, it is counted as charity for him." **Hadith, Bukhari**

A Left and right.

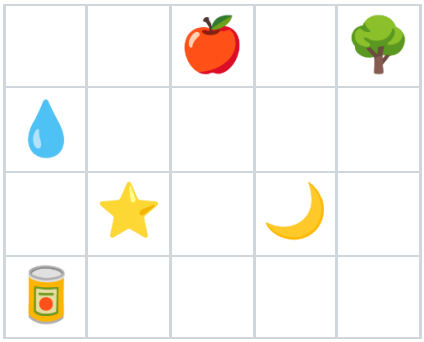


What is just to the **left** of 🍎 ? ☐

What is just to the **right** of 🍎 ? ☐

What is **first** in the line? ☐

B Moving on a grid.



Start at 🍎. Go 2 right. What do you find? ☐

Start at 🍎. Go 2 left and 1 down. What do you find? ☐

Start at 🍎. Go 2 left and 3 down. What do you find? ☐

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!



Position and direction Part 3

Adam's tip
Clockwise means the way clock hands turn.

The Prophet ﷺ told of a man who gave water to a thirsty dog, so Allah thanked him and forgave him. **Hadith, Bukhari**

A Left and right.

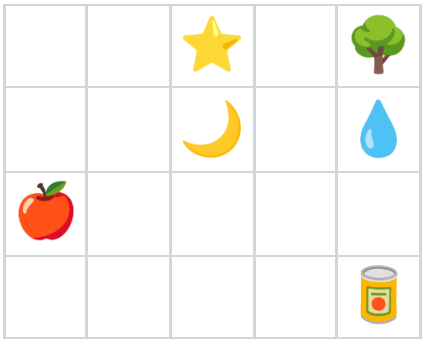


What is just to the **left** of 🐦 ? ☐

What is just to the **right** of 🐦 ? ☐

What is **first** in the line? ☐

B Moving on a grid.



Start at 🌙. Go 2 right and 1 up. What do you find? ☐

Start at 🌙. Go 2 right. What do you find? ☐

Start at 🌙. Go 2 left and 1 down. What do you find? ☐

How did I do? ☆ ☆ ☆

Keep going, insha'Allah!



End-of-term challenge

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

My Lord, increase me in knowledge. — Qur'an 20:114

Time: 20 minutes **Score: ☐ / 20**

1. $\frac{1}{4}$ of 36 = ☐
2. 4 weeks = ☐ days
3. 42 + 44 = ☐
4. 57 − 26 = ☐
5. 11 × 10 = ☐
6. $\frac{1}{2}$ of 8 = ☐
7. 240 minutes = ☐ hours
8. 66 + 24 = ☐
9. 83 − 33 = ☐
10. 110 ÷ 10 = ☐
11. $\frac{1}{4}$ of 32 = ☐
12. 360 minutes = ☐ hours
13. 38 + 13 = ☐
14. 65 − 23 = ☐
15. 90 ÷ 10 = ☐
16. $\frac{1}{4}$ of 40 = ☐
17. 5 weeks = ☐ days
18. 67 + 23 = ☐
19. 69 − 15 = ☐
20. 10 × 5 = ☐

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



For grown-ups

Answers

p.3 Fractions (part 1)

A: colour 1 of 2 parts; colour 1 of 4 parts; colour 3 of 4 parts; colour 1 of 3 parts
B: 1/2, 2/5, 1/3, 1/2
C: 3
D: 5, 2, 3, 5, 3, 4

p.4 Fractions (part 2)

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

p.5 Fractions (part 3)

A: 4, 3, 6, 4
B: 1/2, 2/3, 3/4, 2/5
C: 4
D: 3, 15, 4, 5, 4, 2

p.6 Fractions (part 4)

A: 1/4, 2/3, 1/2, 3/4
B: 4, 6, 2, 3, 2
C: 5
D: 2/5, 3/4, 2/3, 1/2

p.7 Fractions (part 5)

A: 6, 3, 6, 2, 4
B: 1/2, 2/5, 3/4, 1/4
C: 5, 6, 4, 3, 5, 6
D: 1/2, 3/4, 1/2, 1/4

p.8 Time (part 1)

A: 20 to 12; half past 4; quarter to 10; 5 to 5; 5 to 9; 25 past 3; 20 to 10; half past 8
B: 20 to 12; quarter to 10; quarter past 4; 20 to 1 (check the hands)
C: 12, 7, 24, 60

p.9 Time (part 2)

A: 70, 85, 20, 20
B: 20 past 4; 25 past 6; 10 to 12; 5 to 6; quarter to 12; 10 past 12; quarter past 7; 20 past 5

p.10 Time (part 3)

A: quarter past 8; 20 to 12; 20 to 5; 20 past 7 (check the hands)
B: 60, 12, 24, 7
C: 50, 45, 95, 15

p.11 Time (part 4)

A: half past 11; quarter past 3; 10 past 11; 10 past 1; 10 past 7; quarter to 10; half past 7; quarter to 9
B: 20 past 9; quarter past 11; quarter to 6; quarter to 7 (check the hands)
C: 12, 60, 7, 24

p.12 Time (part 5)

A: 85, 45, 15, 20
B: quarter past 10; 5 to 4; 25 to 4; 25 past 1; quarter to 6; 20 to 9; 20 to 6; 10 past 2



For grown-ups

Answers (continued)

p.13 Charts and graphs (part 1)

A: 6, water well, 9, 23
B: 6, 12, water well, 32

p.14 Charts and graphs (part 2)

A: 3, 5, 17
B: 3, orphans' fund, 8, 30

p.15 Charts and graphs (part 3)

A: 6, 4, food bank, 24
B: 3, 6, 24

p.16 Charts and graphs (part 4)

A: 7, water well, 6, 23
B: 10, 12, water well, 42

p.17 Charts and graphs (part 5)

A: 12, food bank, 8, 27
B: 10, 10, food bank, 40

p.18 Position and direction (part 1)

A: 💧, 🍎, 🥫
B: 🌳, 🌙, 🥫

p.19 Position and direction (part 2)

A: 💧, 🌙, 🐦
B: 🌳, 💧, 🥫

p.20 Position and direction (part 3)

A: ⭐, 🌻, ⭐
B: 🌳, 💧, 🍎

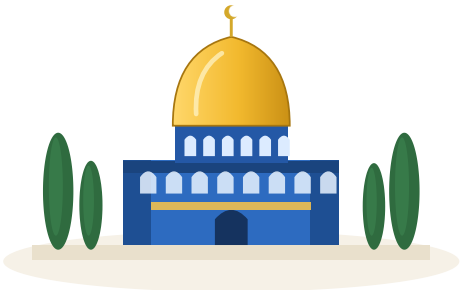
p.21 End-of-term challenge

1) 9, 2) 28, 3) 86, 4) 31, 5) 110, 6) 4, 7) 4, 8) 90, 9) 50, 10) 11, 11) 8, 12) 6, 13) 51, 14) 42, 15) 9, 16) 10, 17) 35, 18) 90, 19) 54, 20) 50

Mashallah!

Maths Superstar





This is to say that

_____

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

_____ _____

Signed **Date**



Adam's Maths · Year 2

Adam's handy helpers

100 square

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

2 times table

1 × 2 = **2**
2 × 2 = **4**
3 × 2 = **6**
4 × 2 = **8**
5 × 2 = **10**
6 × 2 = **12**
7 × 2 = **14**
8 × 2 = **16**
9 × 2 = **18**
10 × 2 = **20**
11 × 2 = **22**
12 × 2 = **24**

5 times table

1 × 5 = **5**
2 × 5 = **10**
3 × 5 = **15**
4 × 5 = **20**
5 × 5 = **25**
6 × 5 = **30**
7 × 5 = **35**
8 × 5 = **40**
9 × 5 = **45**
10 × 5 = **50**
11 × 5 = **55**
12 × 5 = **60**

10 times table

1 × 10 = **10**
2 × 10 = **20**
3 × 10 = **30**
4 × 10 = **40**
5 × 10 = **50**
6 × 10 = **60**
7 × 10 = **70**
8 × 10 = **80**
9 × 10 = **90**
10 × 10 = **100**
11 × 10 = **110**
12 × 10 = **120**

Bonds to 10: 0+10 · 1+9 · 2+8 · 3+7 · 4+6 · 5+5

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