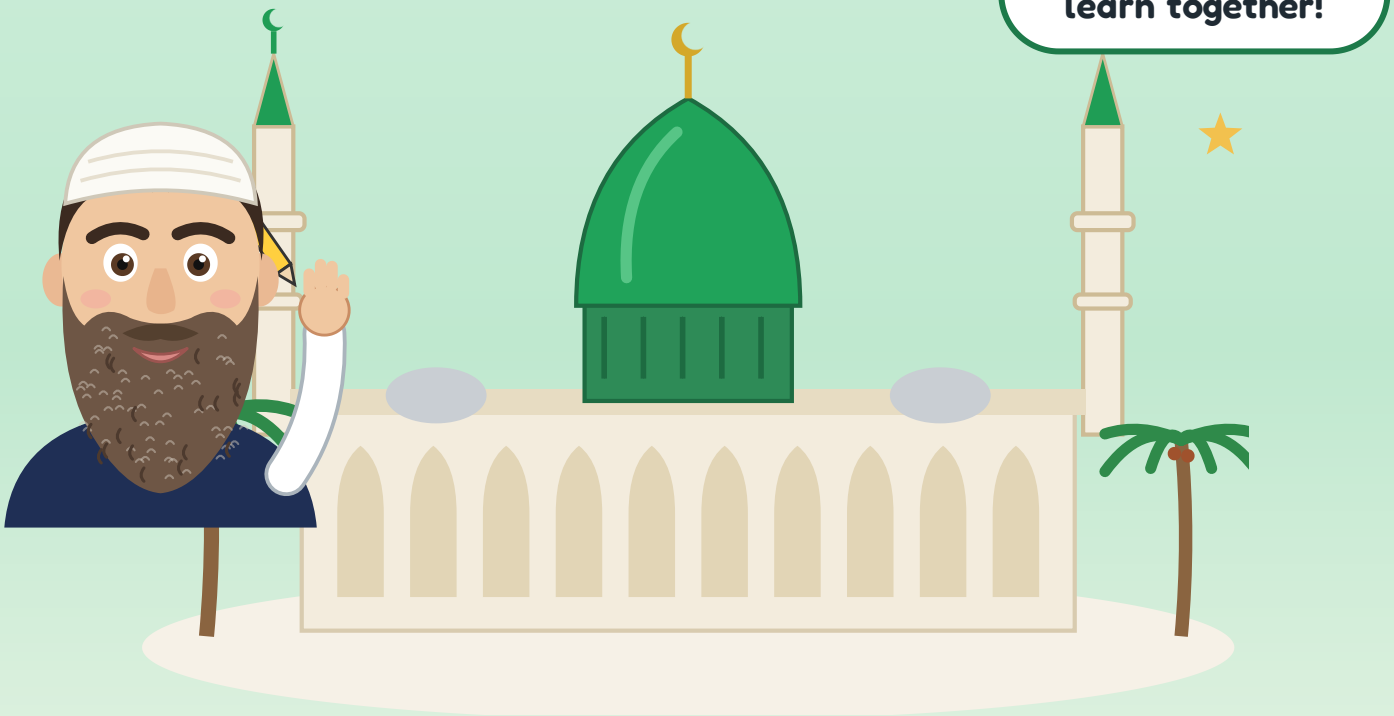
Key Stage 1 · Ages 5–6

Adam's Maths

Learning, growing, alhamdulillah

Year 1

Term 2 · Madinah · Practice & Question Book



This book belongs to: _____



Assalamu alaikum! I'm Adam.

Welcome to your Year 1, 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	Numbers to 20 (part 1)	☆☆☆
4	Numbers to 20 (part 2)	☆☆☆
5	Numbers to 20 (part 3)	☆☆☆
6	Numbers to 20 (part 4)	☆☆☆
7	Numbers to 20 (part 5)	☆☆☆
8	Adding and taking away to 20 (part 1)	☆☆☆
9	Adding and taking away to 20 (part 2)	☆☆☆
10	Adding and taking away to 20 (part 3)	☆☆☆
11	Adding and taking away to 20 (part 4)	☆☆☆
12	Adding and taking away to 20 (part 5)	☆☆☆
13	Numbers to 50 (part 1)	☆☆☆
14	Numbers to 50 (part 2)	☆☆☆
15	Numbers to 50 (part 3)	☆☆☆
16	Length and height (part 1)	☆☆☆
17	Length and height (part 2)	☆☆☆
18	Length and height (part 3)	☆☆☆
19	Mass and volume (part 1)	☆☆☆
20	Mass and volume (part 2)	☆☆☆
21	Mass and volume (part 3)	☆☆☆
22	End-of-term challenge	☆☆☆

For grown-ups: This book follows the Year 1 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 23. Print on A4 at 100% scale and staple down the left-hand side. More free resources at **adamsclassroom.co.uk**.



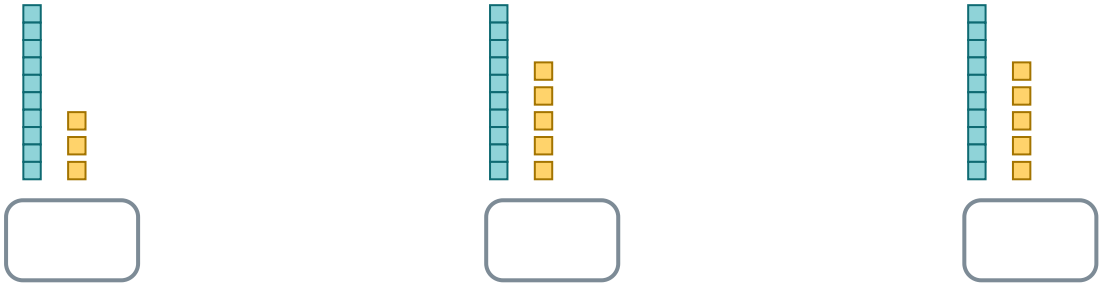
Bismillah · Adam's Maths · Year 1 · Term 2 · Madinah

Numbers to 20 Part 1

Adam's tip
Teen numbers are 1 ten and some ones.

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

A Write the number shown by the blocks.



B Partition the numbers.

13 = 10 + ☐

11 = 10 + ☐

1 ten and 6 ones = ☐

1 ten and 7 ones = ☐

1 ten and 9 ones = ☐

18 = ☐ tens and ☐ ones

C Write <, > or =.

17 ◯ 18

19 ◯ 20

9 ◯ 13

16 ◯ 17

12 ◯ 13

5 ◯ 5

D Put these numbers in order, smallest first.

2 **4** **19** **11** **3**

☐ ☐ ☐ ☐ ☐

How did I do? ☆ ☆ ☆

SubhanAllah, look how you're growing!



Numbers to 20 Part 2

Adam's tip
Teen numbers are 1 ten and some ones.

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

A Find the missing numbers in each pattern.

6 , ☐ , 4 , 3 , 2 , ☐

12 , 10 , ☐ , ☐ , 4 , 2

2 , ☐ , 4 , ☐ , 6 , 7

9 , ☐ , 7 , 6 , 5 , ☐

B More or less?

2 more than 13 is ☐

2 more than 8 is ☐

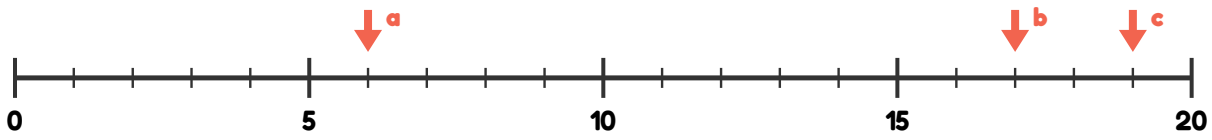
1 less than 12 is ☐

2 more than 15 is ☐

1 more than 6 is ☐

1 less than 8 is ☐

C What numbers are the arrows pointing to?



a = ☐ b = ☐ c = ☐

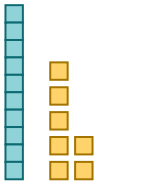


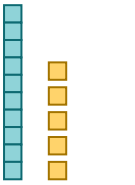
Numbers to 20 Part 3

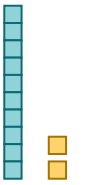
Adam's tip
Teen numbers are 1 ten and some ones.

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

A Write the number shown by the blocks.







B Partition the numbers.

1 ten and 3 ones = ☐

15 = ☐ tens and ☐ ones

19 = ☐ tens and ☐ ones

16 = ☐ tens and ☐ ones

18 = 10 + ☐

C Write <, > or =.

10 ◯ 14

1 ◯ 6

19 ◯ 19

16 ◯ 15

19 ◯ 18

D Put these numbers in order, smallest first.

3	14	4	6	2

☐ ☐ ☐ ☐ ☐

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



Bismillah · Adam's Maths · Year 1 · Term 2 · Madinah

Numbers to 20 Part 4

Adam's tip
Teen numbers are 1 ten and some ones.

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

A Find the missing numbers in each pattern.

3 , ☐ , 5 , ☐ , 7 , 8

25 , 20 , ☐ , 10 , 5 , ☐

6 , ☐ , 4 , ☐ , 2 , 1

0 , ☐ , 4 , 6 , 8 , ☐

B More or less?

1 less than 12 is ☐

2 less than 10 is ☐

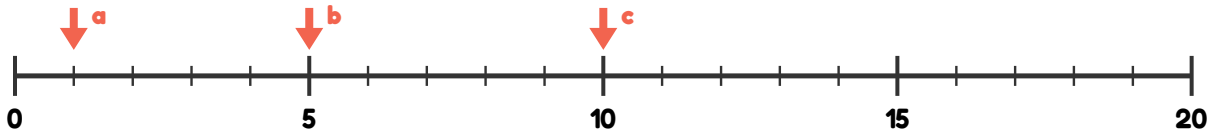
1 less than 4 is ☐

2 less than 9 is ☐

2 more than 10 is ☐

1 more than 3 is ☐

C What numbers are the arrows pointing to?



a = ☐ b = ☐ c = ☐

How did I do? ☆ ☆ ☆

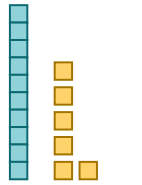
Alhamdulillah for learning!

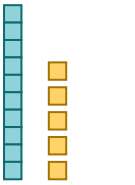
Numbers to 20 Part 5

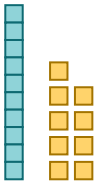
Adam's tip
Teen numbers are 1 ten and some ones.

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

A Write the number shown by the blocks.







B Partition the numbers.

18 = ☐ tens and ☐ ones

16 = ☐ tens and ☐ ones

1 ten and 1 ones = ☐

18 = 10 + ☐

11 = ☐ tens and ☐ ones

19 = 10 + ☐

C Write <, > or =.

14 ◯ 14

19 ◯ 19

8 ◯ 8

3 ◯ 4

5 ◯ 3

14 ◯ 10

D Put these numbers in order, smallest first.

10	9	18	12	11
☐	☐	☐	☐	☐

How did I do? ☆ ☆ ☆

Mashallah, you're a star!



Adding and taking away to 20 Part 1

Adam's tip
Use number bonds to 10 to help you.

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

A Add.

4 + 13 = ☐ 7 + 2 = ☐ 10 + 9 = ☐

2 + 8 = ☐ 11 + 4 = ☐ 5 + 4 = ☐

B Take away.

20 − 6 = ☐ 14 − 6 = ☐ 19 − 7 = ☐

17 − 5 = ☐ 15 − 10 = ☐ 14 − 7 = ☐

C Number bonds to 20.

9 + ☐ = 20 4 + ☐ = 20 13 + ☐ = 20

12 + ☐ = 20 6 + ☐ = 20 16 + ☐ = 20

D Fact family: use 4, 8 and 12.

4 + 8 = ☐ 8 + 4 = ☐

12 − 8 = ☐ 12 − 4 = ☐

How did I do? ☆ ☆ ☆

Mashallah, well done!



Adding and taking away to 20 Part 2

Adam's tip
Use number bonds to 10 to help you.

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 Find the missing number.

15 + ☐ = 17

☐ − 2 = 6

☐ − 8 = 10

2 + ☐ = 19

☐ − 6 = 9

☐ − 9 = 5

B Add three numbers. Look for a bond to 10!

5 + 2 + 5 = ☐

4 + 8 + 6 = ☐

1 + 9 + 5 = ☐

8 + 8 + 2 = ☐

C Make both sides equal.

8 + 5 = 8 + ☐

9 + 9 = 8 + ☐

6 + 2 = 1 + ☐

8 + 8 = 4 + ☐

D Add.

11 + 7 = ☐

4 + 8 = ☐

15 + 3 = ☐

6 + 8 = ☐

9 + 6 = ☐

13 + 6 = ☐

How did I do? ☆ ☆ ☆

Alhamdulillah, that's excellent!



Adding and taking away to 20 Part 3

Adam's tip
Use number bonds to 10 to help you.

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.

The food bank had 16 tins. 8 were given to families who needed food. How many tins are left?

working out

[ ] tins

Idris read 16 pages of a story about the Prophets. Ruqayyah read 9 pages. How many more pages did Idris read?

working out

[ ] pages

The orphans' fund jar had 5 coins. Omar's family added 3 more. How many coins are in the jar now?

working out

[ ] coins

B Take away.

17 − 3 = [ ] 11 − 2 = [ ] 20 − 11 = [ ]

19 − 5 = [ ] 15 − 11 = [ ] 10 − 4 = [ ]

C Number bonds to 20.

10 + [ ] = 20 [ ] + 1 = 20 [ ] + 5 = 20

How did I do? ☆ ☆ ☆

Barakallahu feek!



Adding and taking away to 20 Part 4

Adam's tip
Use number bonds to 10 to help you.

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 Number bonds to 20.

☐ + 15 = 20 14 + ☐ = 20 3 + ☐ = 20

☐ + 13 = 20 7 + ☐ = 20 ☐ + 9 = 20

B Fact family: use 8, 6 and 14.

8 + 6 = ☐ 6 + 8 = ☐

14 − 6 = ☐ 14 − 8 = ☐

C Find the missing number.

5 + ☐ = 14 ☐ − 11 = 3

14 + ☐ = 20 9 + ☐ = 13

☐ − 2 = 15 6 + ☐ = 18

D Add three numbers. Look for a bond to 10!

7 + 7 + 3 = ☐ 9 + 5 + 5 = ☐

9 + 4 + 1 = ☐ 5 + 8 + 5 = ☐



Adding and taking away to 20 Part 5

Adam's tip
Use number bonds to 10 to help you.

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

A Make both sides equal.

4 + 2 = 4 + ☐

9 + 2 = 2 + ☐

8 + 5 = 10 + ☐

2 + 8 = 2 + ☐

B Word problems.

Aisha used to use 11 litres of water a week. By turning off the tap while brushing, Aisha now uses 6 litres less. How many litres a week now?

working out

☐ litres

Bilal said salam to 11 people before Dhuhr and 7 people after. How many people did Bilal greet?

working out

☐ people

Ismail read 10 pages of a story about the Prophets. Maryam read 8 pages. How many more pages did Ismail read?

working out

☐ pages

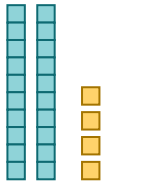


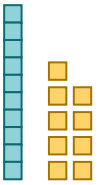
Numbers to 50 Part 1

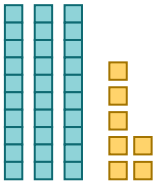
Adam's tip
Count in tens, then add the ones.

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

A Write the number shown by the blocks.







B Partition the numbers.

47 = 40 + ☐

4 tens and 1 ones = ☐

1 ten and 4 ones = ☐

35 = 30 + ☐

25 = 20 + ☐

13 = ☐ tens and ☐ ones

C Write <, > or =.

42 ◯ 43

4 ◯ 4

28 ◯ 28

18 ◯ 15

8 ◯ 39

3 ◯ 24

D Put these numbers in order, smallest first.

43 **1** **25** **26** **4**

☐ ☐ ☐ ☐ ☐

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!

Numbers to 50 Part 2

Adam's tip
Count in tens, then add the ones.

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

A Find the missing numbers in each pattern.

10 , ☐ , 14 , 16 , 18 , ☐

25 , 20 , 15 , ☐ , ☐ , 0

60 , 50 , 40 , ☐ , 20 , ☐

30 , ☐ , 20 , ☐ , 10 , 5

B More or less?

1 less than 5 is ☐

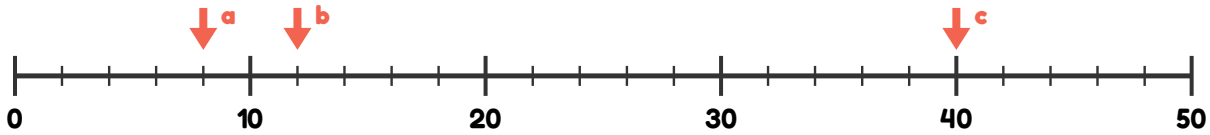
10 more than 18 is ☐

1 less than 2 is ☐

1 less than 27 is ☐

1 less than 7 is ☐

C What numbers are the arrows pointing to?



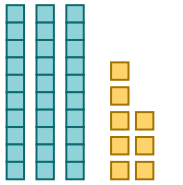
a = ☐ b = ☐ c = ☐

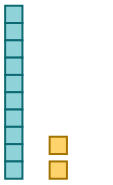
Numbers to 50 Part 3

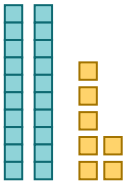
Adam's tip
Count in tens, then add the ones.

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

A Write the number shown by the blocks.







B Partition the numbers.

4 tens and 4 ones = ☐

2 tens and 4 ones = ☐

16 = 10 + ☐

47 = ☐ tens and ☐ ones

2 tens and 7 ones = ☐

4 tens and 9 ones = ☐

C Write <, > or =.

4 ◯ 4

10 ◯ 19

1 ◯ 4

4 ◯ 7

1 ◯ 6

20 ◯ 18

D Put these numbers in order, smallest first.

5	22	26	30	39
☐	☐	☐	☐	☐

How did I do? ☆ ☆ ☆

Mashallah, you're a star!



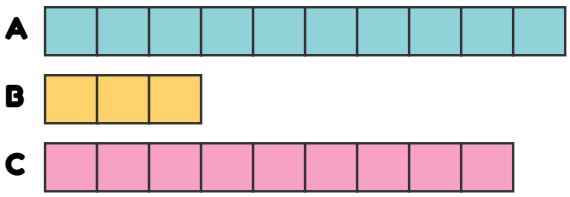
Length and height

Part 1

Adam's tip
Compare things by lining them up at the same start.

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

A Look at the towers of cubes.

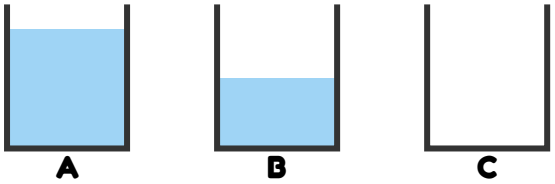


Which is the **longest** ? ☐

Which is the **shortest** ? ☐

How many cubes long is A? ☐

B Full, half full or empty?



Which glass is **nearly full** ? ☐

Which glass is **empty** ? ☐

Which glass is **half full** ? ☐

C Circle the heavier one.

 or  car bike

 or  elephant mouse

 or  brick feather

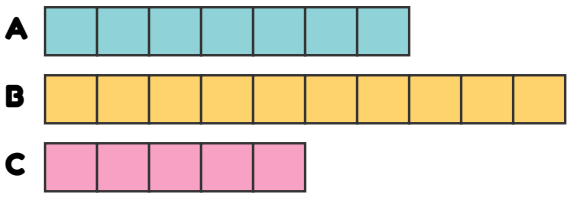
Length and height

Part 2

Adam's tip
Compare things by lining them up at the same start.

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

A Look at the towers of cubes.

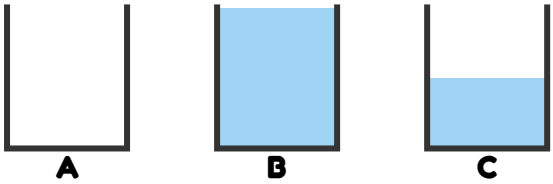


Which is the **longest** ? ☐

Which is the **shortest** ? ☐

How many cubes long is A? ☐

B Full, half full or empty?



Which glass is **full** ? ☐

Which glass is **half full** ? ☐

Which glass is **empty** ? ☐

C Circle the **heavier** one.

 or  elephant mouse

 or  watermelon strawberry

 or  brick feather

How did I do? ☆ ☆ ☆

Alhamdulillah, that's excellent!

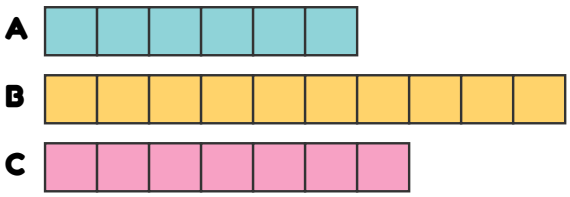
Length and height

Part 3

Adam's tip
Compare things by lining them up at the same start.

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

A Look at the towers of cubes.

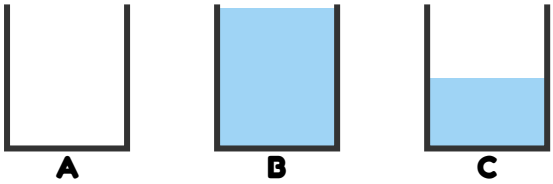


Which is the **longest** ? ☐

Which is the **shortest** ? ☐

How many cubes long is A? ☐

B Full, half full or empty?



Which glass is **half full** ? ☐

Which glass is **full** ? ☐

Which glass is **empty** ? ☐

C Circle the heavier one.

 or  watermelon strawberry

 or  car bike

 or  elephant mouse

How did I do? ☆ ☆ ☆

Barakallahu feek!

Mass and volume

Part 1

Adam's tip
Heavier things make the scales go down.

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

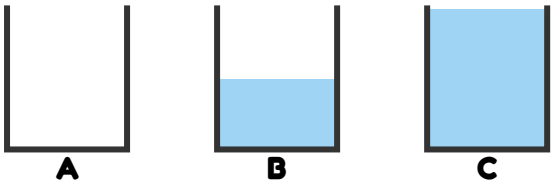
A Circle the heavier one.

 or  car bike

 or  brick feather

 or  elephant mouse

B Full, half full or empty?

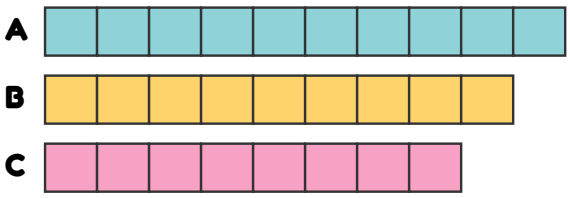


Which glass is **full** ? ☐

Which glass is **empty** ? ☐

Which glass is **half full** ? ☐

C Look at the towers of cubes.



Which is the **longest** ? ☐

Which is the **shortest** ? ☐

How many cubes long is A? ☐



Mass and volume

Part 2

Adam's tip
Heavier things make the scales go down.

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

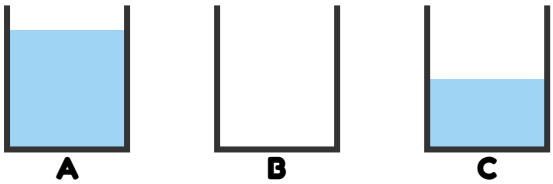
A Circle the heavier one.

 or  brick feather

 or  car bike

 or  elephant mouse

B Full, half full or empty?

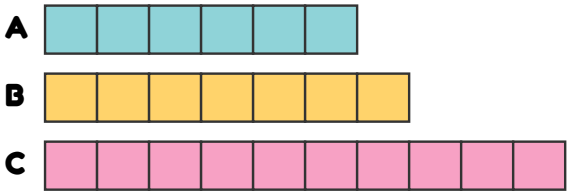


Which glass is **empty** ? ☐

Which glass is **nearly full** ? ☐

Which glass is **half full** ? ☐

C Look at the towers of cubes.



Which is the **longest** ? ☐

Which is the **shortest** ? ☐

How many cubes long is A? ☐

Mass and volume

Part 3



Adam's tip
Heavier things make the scales go down.

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

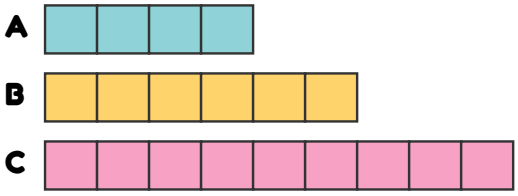
A Circle the heavier one.

 or  watermelon strawberry

 or  brick feather

 or  car bike

B Look at the towers of cubes.

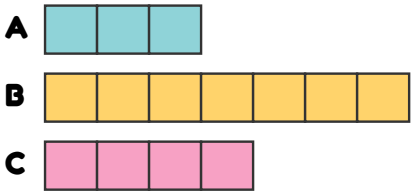


Which is the **longest** ? ☐

Which is the **shortest** ? ☐

How many cubes long is A? ☐

C Look at the towers of cubes.



Which is the **longest** ? ☐

Which is the **shortest** ? ☐

How many cubes long is A? ☐

How did I do? ☆ ☆ ☆

Mashallah, brilliant work!



Bismillah · Adam's Maths · Year 1 · 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. 5 + 1 = ☐
2. 9 − 3 = ☐
3. 21 + 10 = ☐
4. 52 cm + 30 cm = ☐ cm
5. 55 cm + 30 cm = ☐ cm
6. 13 + 7 = ☐
7. 11 − 4 = ☐
8. 1 + 2 = ☐
9. 4 + 16 = ☐
10. 1 + 1 = ☐
11. 23 cm + 14 cm = ☐ cm
12. 28 cm + 19 cm = ☐ cm
13. 9 + 7 = ☐
14. 14 − 12 = ☐
15. 6 + 1 = ☐
16. 6 − 3 = ☐
17. 1 + 1 = ☐
18. 36 cm + 5 cm = ☐ cm
19. 28 cm + 10 cm = ☐ cm
20. 8 + 5 = ☐

How did I do? ☆ ☆ ☆

Alhamdulillah for learning!



For grown-ups

Answers

p.3 Numbers to 20 (part 1)

A: 13, 15, 15
B: 3, 1, 16, 17, 19, 1 ten 8 ones
C: <, <, <, <, <, =
D: 2, 3, 4, 11, 19

p.4 Numbers to 20 (part 2)

A: 5 & 1, 8 & 6, 3 & 5, 8 & 4
B: 15, 10, 11, 17, 7, 7
C: a = 6, b = 17, c = 19

p.5 Numbers to 20 (part 3)

A: 17, 15, 12
B: 13, 1 ten 5 ones, 1 ten 9 ones, 1 ten 6 ones, 8
C: <, <, =, >, >
D: 2, 3, 4, 6, 14

p.6 Numbers to 20 (part 4)

A: 4 & 6, 15 & 0, 5 & 3, 2 & 10
B: 11, 8, 3, 7, 12, 4
C: a = 1, b = 5, c = 10

p.7 Numbers to 20 (part 5)

A: 16, 15, 19
B: 1 ten 8 ones, 1 ten 6 ones, 11, 8, 1 ten 1 ones, 9
C: =, =, =, <, >, >
D: 9, 10, 11, 12, 18

p.8 Adding and taking away to 20 (part 1)

A: 17, 9, 19, 10, 15, 9
B: 14, 8, 12, 12, 5, 7
C: 11, 16, 7, 8, 14, 4
D: 12, 12, 4, 8

p.9 Adding and taking away to 20 (part 2)

A: 2, 8, 18, 17, 15, 14
B: 12, 18, 15, 18
C: 5, 10, 7, 12
D: 18, 12, 18, 14, 15, 19

p.10 Adding and taking away to 20 (part 3)

A: 8, 7, 8
B: 14, 9, 9, 14, 4, 6
C: 10, 19, 15

p.11 Adding and taking away to 20 (part 4)

A: 5, 6, 17, 7, 13, 11
B: 14, 14, 8, 6
C: 9, 14, 6, 4, 17, 12
D: 17, 19, 14, 18

p.12 Adding and taking away to 20 (part 5)

A: 2, 9, 3, 8
B: 5, 18, 2

p.13 Numbers to 50 (part 1)

A: 24, 19, 37
B: 7, 41, 14, 5, 5, 1 ten 3 ones
C: <, =, =, >, <, <
D: 1, 4, 25, 26, 43



For grown-ups

Answers (continued)

p.14 Numbers to 50 (part 2)

A: 12 & 20, 10 & 5, 30 & 10, 25 & 15
B: 4, 28, 1, 26, 6
C: a = 8, b = 12, c = 40

p.15 Numbers to 50 (part 3)

A: 38, 12, 27
B: 44, 24, 6, 4 tens 7 ones, 27, 49
C: =, <, <, <, <, >
D: 5, 22, 26, 30, 39

p.16 Length and height (part 1)

A: A, B, 10
B: A, C, B
C: car, elephant, brick

p.17 Length and height (part 2)

A: B, C, 7
B: B, C, A
C: elephant, watermelon, brick

p.18 Length and height (part 3)

A: B, A, 6
B: C, B, A
C: watermelon, car, elephant

p.19 Mass and volume (part 1)

A: car, brick, elephant
B: C, A, B
C: A, C, 10

p.20 Mass and volume (part 2)

A: brick, car, elephant
B: B, A, C
C: C, A, 6

p.21 Mass and volume (part 3)

A: watermelon, brick, car
B: C, A, 4
C: B, A, 3

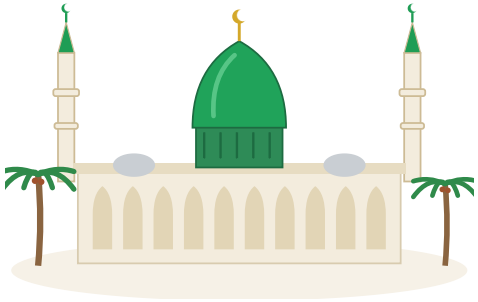
p.22 End-of-term challenge

1) 6, 2) 6, 3) 31, 4) 82, 5) 85, 6) 20, 7) 7, 8) 3, 9) 20, 10) 2, 11) 37, 12) 47, 13) 16, 14) 2, 15) 7, 16) 3, 17) 2, 18) 41, 19) 38, 20) 13

Mashallah!

Maths Superstar





This is to say that

_____

has completed **Adam's Maths – Year 1, Term 2**. Alhamdulillah for all your hard work! May Allah bless your learning.

_____ _____

Signed **Date**



Adam's Maths · Year 1

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)