4.1 Fractions and Problem Solving: 30-minute Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Ravi has 12 books. Ravi gives away 7 and then finds 3 more. How many books does Ravi have now?

Answer: ___

(2)

---

2 Find a half of 26.

Answer: ___

(1)

---

3 Two numbers add up to 16. One of the numbers is 10. What is the other number?

Answer: ___

(1)

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4 Victor shares 8 cards equally between 2 friends.

Write the fraction of the cards each friend gets, then work out how many cards each friend gets.

Answer: ___ and ___

(2)

---

5 Two numbers add up to 8. One of the numbers is 4. What is the other number?

Answer: ___

(1)

---

6 Bella has 7 marbles. Kofi has 8 marbles. Who has more marbles, and how many more?

Answer: ___

(1)

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7 Mrs Okafor has 15 conkers. She shares them equally between herself, her son Kwame and her daughter Amara.

Work out how many conkers each person gets. Show your working.

Answer: ___

(2)

---

8 Ben has 19 stickers. Ben gives some to a friend and has 16 left. How many stickers did Ben give away?

Answer: ___

(1)

---

9 Reece has 8 stickers. Reece gives some to a friend and has 4 left. How many stickers did Reece give away?

Answer: ___

(1)

---

10 Oscar has 6 crayons. Oscar is given 2 more and then loses 5. How many crayons does Oscar have now?

Answer: ___

(2)

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11 Tom has 14 stickers. Tom is given 3 more and then loses 14. How many stickers does Tom have now?

Answer: ___

(2)

---

12 Kiran thinks of a number. Kiran adds 17 and gets 19. What number did Kiran think of?

Answer: ___

(1)

---

13 A cake is cut into 2 equal pieces. Amira eats 1 piece.

What fraction of the cake does Amira eat?

Answer: ___

(1)

---

14 Find a half of 22.

Answer: ___

(1)

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15 Is 2/4 of a shape the same as a half of it? Write Yes or No.

Answer: ___

(1)

---

16 Chloe has 6 toy cars. Chloe is given 3 more and then loses 6. How many toy cars does Chloe have now?

Answer: ___

(2)

---

17 Find a quarter of 16.

Answer: ___

(1)

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Mark scheme · 4.1 Fractions and Problem Solving: 30-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

12 - 7 = 5 seen	M1
8 cao	A1

Answer: **8**

Question 2

13 cao	B1

Answer: **13**

Question 3

6 cao	B1

Answer: **6**

Question 4

1/2 seen	M1
1/2 and 4 cao	A1

Answer: **1/2 and 4**

Question 5

4 cao	B1

Answer: **4**

Question 6

Kofi, 1 more cao	B1

Answer: **Kofi, 1 more**

Question 7

finds one third of 15 (15 / 3) oe, or equivalent correct method	M1
5 cao	A1

Answer: **5 conkers each**

Question 8

3 cao	B1

Answer: **3**

Question 9

4 cao	B1

Answer: **4**

Question 10

6 + 2 = 8 seen	M1
3 cao	A1

Answer: **3**

Question 11

14 + 3 = 17 seen	M1
3 cao	A1

Answer: **3**

Question 12

2 cao	B1

Answer: **2**

Question 13

1/2 cao	B1

Answer: **1/2**

Question 14

11 cao	B1

Answer: **11**

Question 15

Yes cao	B1

Answer: **Yes**

Question 16

6 + 3 = 9 seen	M1
3 cao	A1

Answer: **3**

Question 17

4 cao	B1

Answer: **4**

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