4.5 Introduction to Fractions: 1-hour Pack

Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write <, > or = in the box.

3/5 [ ] 7/8

Answer: ___

(1)

---

2 Write <, > or = in the box.

2/7 [ ] 8/10

Answer: ___

(2)

---

3 A bar is divided into 6 equal parts. 2 parts are shaded.

What fraction of the bar is not shaded?

Answer: ___

(1)

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4 4/10 of a number is 24. What is the number?

Answer: ___

(1)

---

5 Ben eats 3/9 of a ribbon on Monday and 3/9 on Tuesday.

What fraction of the ribbon is left? Give your answer in its simplest form.

Answer: ___

(2)

---

6 A pizza is cut into 8 equal slices. Kwame eats 5 slices. What fraction shows the part he ate? Give the fraction and its simplest form.

(2)

---

7 Which fraction is equivalent to 1/3?

A: 4/12 B: 5/12 C: 5/7 D: 4/13

Write the letter.

Answer: ___

(1)

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8 Work out 7/10 of 90.

Answer: ___

(2)

---

9 Olu eats 5/12 of a pizza on Monday and 6/12 on Tuesday.

What fraction of the pizza is left? Give your answer in its simplest form.

Answer: ___

(2)

---

10 8/10 of the cards in a jar is 96. How many cards are in the jar?

Answer: ___

(2)

---

11 Write <, > or = in the box.

1/3 [ ] 4/5

Answer: ___

(2)

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12 How many fifths are there in 3 wholes?

Answer: ___

(1)

---

13 Yusuf has 100 buttons. Yusuf gives 1/10 of them to a friend.

How many buttons does Yusuf give to the friend?

Answer: ___

(1)

---

14 9/10 of a number is 45. What is the number?

Answer: ___

(1)

---

15 Write 25/30 in its simplest form.

Answer: ___

(2)

---

16 Write 24/30 in its simplest form.

Answer: ___

(2)

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17 Work out 3/4 of 76.

Answer: ___

(2)

---

18 Write <, > or = in the box.

5/7 [ ] 10/12

Answer: ___

(1)

---

19 Work out 2/4 of 12.

Answer: ___

(2)

---

20 1/10 of a number is 3. What is the number?

Answer: ___

(1)

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21 Jade eats 1/10 of a pie on Monday and 5/10 on Tuesday.

What fraction of the pie is left? Give your answer in its simplest form.

Answer: ___

(2)

---

22 Mia says that 3/6 is bigger than 1/6. Is she correct? Write Yes or No.

Answer: ___

(1)

---

23 Write 15/24 in its simplest form.

Answer: ___

(2)

---

24 Write 6/9 in its simplest form.

Answer: ___

(2)

---

25 What is 1/2 of 10?

Answer: ___

(1)

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26 Work out 1/4 + 1/4.

Give your answer in its simplest form.

Answer: ___

(3)

---

27 3/5 = ___/20

Answer: ___

(1)

---

28 Write these fractions in order, starting with the smallest.

1/12, 7/12, 4/12

Answer: ___

(2)

---

29 There are 12 apples. A basket holds 3/12 of them. How many apples are in the basket?

(2)

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Mark scheme · 4.5 Introduction to Fractions: 1-hour Pack

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

Question 1

< cao — B1

Answer: **<**

Question 2

common denominator seen — M1

< cao — A1

Answer: **<**

Question 3

4/6 cao — B1

Answer: **4/6**

Question 4

60 cao — B1

Answer: **60**

Question 5

6/9 eaten seen — M1

1/3 cao — A1

Answer: **1/3**

Question 6

5/8 cao — B1

5/8 is already in simplest form cao — B1

Answer: **5/8**

Question 7

A cao — B1

Answer: **A**

Question 8

90 divided by 10 = 9 seen — M1

63 cao — A1

Answer: **63**

Question 9

11/12 eaten seen — M1

1/12 cao — A1

Answer: **1/12**

Question 10

96 / 8 = 12 seen — M1

120 cao — A1

Answer: **120**

Question 11

common denominator seen — M1

< cao — A1

Answer: **<**

Question 12

15 cao — B1

Answer: **15**

Question 13

10 cao — B1

Answer: **10**

Question 14

50 cao — B1

Answer: **50**

Question 15

divides numerator and denominator by a common factor — M1

5/6 cao — A1

Answer: **5/6**

Question 16

divides numerator and denominator by a common factor — M1

4/5 cao — A1

Answer: **4/5**

Question 17

76 divided by 4 = 19 seen — M1

57 cao — A1

Answer: **57**

Question 18

< cao — B1

Answer: **<**

Question 19

12 divided by 4 = 3 seen — M1

6 cao — A1

Answer: **6**

Question 20

30 cao — B1

Answer: **30**

Question 21

6/10 eaten seen — M1

2/5 cao — A1

Answer: **2/5**

Question 22

Yes cao — B1

Answer: **Yes**

Question 23

divides numerator and denominator by a common factor — M1

5/8 cao — A1

Answer: **5/8**

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Question 24

divides numerator and denominator by a common factor	**M1**
2/3 cao	**A1**

Answer: **2/3**

Question 25

5 cao	**B1**

Answer: **5**

Question 26

converts to a common denominator	**M1**
one correct fraction seen	**M1**
1/2 cao	**A1**

Answer: **1/2**

Question 27

12 cao	**B1**

Answer: **12**

Question 28

converts to a common denominator or decimals	**M1**
1/12, 4/12, 7/12 cao	**A1**

Answer: **1/12, 4/12, 7/12**

Question 29

12 ÷ 12 × 3 or 12 × (3/12) seen	**M1**
3 cao	**B1**

Answer: **3**

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