# 4.3 Fractions: Equivalence, Ordering and Calculation: 30-minute Pack

NCETM National Curriculum (2014) Mathematics - KS2 Number: Fractions (Equivalence, Ordering and Calculation) · Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

**Answer ALL questions. Show all your working.**

**1** Which fraction is equivalent to 4/5?

A: 8/9 B: 16/20 C: 17/20 D: 16/21

Write the letter.

Answer: ___

**(1)**

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**2** 1/3 of the shells in a jar is 6. How many shells are in the jar?

Answer: ___

**(2)**

---

**3** 2/4 of the buttons in a jar is 4. How many buttons are in the jar?

Answer: ___

**(2)**


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**4** Write 3 2/5 as an improper fraction.

Answer: ___

**(2)**

---

**5** Write 6/12 in its simplest form.

Answer: ___

**(2)**

---

**6** 1/2 = 6/___

Answer: ___

**(1)**

---

**7** Write these fractions in order of size, starting with the smallest: 2/3, 5/9, 7/12. Show your working.

**(3)**


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**8** Write these fractions in order, starting with the largest.

3/4, 5/10, 3/10

Answer: ___

**(2)**

---

**9** Jack has 190 coins. Jack gives 4/10 of them to a friend.

How many coins does Jack give to the friend?

Answer: ___

**(1)**

---

**10** 3/4 - 2/4 =

Answer: ___

**(2)**

---

**11** 3/8 x 4/5 =

Answer: ___

**(2)**


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**12** Write 6 1/6 as an improper fraction.

Answer: ___

**(2)**

---

**13** Write <, > or = in the box.

1/2 [ ] 3/5

Answer: ___

**(2)**

---

**14** 3/8 x 3 =

Answer: ___

**(1)**


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# Mark scheme · 4.3 Fractions: Equivalence, Ordering and Calculation: 30-minute Pack

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

## Question 1

| | |
|---|---|
| B cao | **B1** |

Answer: **B**

## Question 2

| | |
|---|---|
| 6 x 3 seen | **M1** |
| 18 cao | **A1** |

Answer: **18**

## Question 3

| | |
|---|---|
| 4 / 2 seen | **M1** |
| 8 cao | **A1** |

Answer: **8**

## Question 4

| | |
|---|---|
| method seen | **M1** |
| 17/5 cao | **A1** |

Answer: **17/5**

## Question 5

| | |
|---|---|
| divides numerator and denominator by a common factor | **M1** |
| 1/2 cao | **A1** |

Answer: **1/2**

## Question 6

| | |
|---|---|
| 12 cao | **B1** |

Answer: **12**

## Question 7

| | |
|---|---|
| common denominator of 36 used for at least two fractions | **M1** |
| all three fractions correctly converted, e.g. 24/36, 20/36, 21/36 | **M1** |
| correct order 5/9, 7/12, 2/3 cao | **A1** |

Answer: **5/9, 7/12, 2/3**

## Question 8

| | |
|---|---|
| converts to a common denominator or decimals | **M1** |
| 3/4, 5/10, 3/10 cao | **A1** |

Answer: **3/4, 5/10, 3/10**

## Question 9

| | |
|---|---|
| 76 cao | **B1** |

Answer: **76**

## Question 10

| | |
|---|---|
| method seen | **M1** |
| 1/4 cao | **A1** |

Answer: **1/4**

## Question 11

| | |
|---|---|
| method seen | **M1** |
| 3/10 cao | **A1** |

Answer: **3/10**

## Question 12

| | |
|---|---|
| method seen | **M1** |
| 37/6 cao | **A1** |

Answer: **37/6**

## Question 13

| | |
|---|---|
| common denominator seen | **M1** |
| < cao | **A1** |

Answer: **<**

## Question 14

| | |
|---|---|
| 1 1/8 or 9/8 cao | **B1** |

Answer: **1 1/8**


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