



**Subject:** Grade 4 Mathematics

**Topic:** Common fractions

**Total:** 38 Marks

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1. true

2 marks

**Explanation:**

First find  $\frac{1}{5}$  of 35

$$35 \div 5 = 7$$

Then,  $\frac{2}{5}$  of 35

$$2 \times 7 = 14$$

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2. 3 | 8 | 3/8

6 marks

**Explanation:**

There are 8 circles.

3 of them are coloured in.

Therefore,  $\frac{3}{8}$  is shaded in.

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3. D:  $\frac{1}{6}$  ;  $\frac{3}{9}$  ;  $\frac{2}{3}$

4 marks

**Explanation:**

Look at the pink blocks:

$$\frac{3}{9} = \frac{2}{6} = \frac{1}{3}$$

This means that  $\frac{3}{9}$  is larger than  $\frac{1}{6}$  but smaller than  $\frac{2}{3}$

Therefore:

$$\frac{1}{6} < \frac{3}{9} < \frac{2}{3}$$



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4. C:  $\frac{3}{8}$

4 marks

**Explanation:**

One whole will be  $\frac{8}{8}$ .

$\frac{5}{8}$  is given away, so Kim's mom has  $\frac{3}{8}$  of her chocolate left.

$$\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$$

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5. 7 | seven

3 marks

**Explanation:**

$$\begin{aligned} \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} &= \frac{7}{7} \\ &= 1 \end{aligned}$$

There are 7 sevenths in one whole.

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6. D:  $\frac{1}{10}$ ;  $\frac{1}{4}$ ;  $\frac{1}{2}$

4 marks

**Explanation:**

The bigger the denominator, the smaller the fraction.

The fractions from smallest to biggest:  $\frac{1}{10}$ ;  $\frac{1}{4}$ ;  $\frac{1}{2}$

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7.  $\frac{3}{8}$  |  $\frac{1}{2}$

4 marks

**Explanation:**

Add on in eighths:

$$\frac{1}{8} + \frac{1}{8} = \frac{2}{8} = \frac{1}{4}$$

$$\frac{2}{8} + \frac{1}{8} = \frac{3}{8}$$

$$\frac{3}{8} + \frac{1}{8} = \frac{4}{8} = \frac{1}{2}$$

$$\frac{4}{8} + \frac{1}{8} = \frac{5}{8}$$

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8. D:  $\frac{5}{8}$

4 marks

**Explanation:**

$\frac{5}{10} = \frac{1}{2}$ , so  $\frac{4}{10}$  is smaller than  $\frac{1}{2}$

$\frac{4}{8} = \frac{1}{2}$ , so  $\frac{5}{8}$  is bigger than  $\frac{1}{2}$

$\frac{1}{3}$  is a smaller fraction than  $\frac{1}{2}$

$\frac{2}{4} = \frac{1}{2}$ , so it is not bigger or smaller than  $\frac{1}{2}$

Therefore,  $\frac{5}{8}$  is the only fraction greater than  $\frac{1}{2}$

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9. four ninths | five ninths

4 marks

**Explanation:**

Four of the nine parts have been coloured in:  $\frac{4}{9}$

Five of the nine parts have not been coloured in:  $\frac{5}{9}$

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10. 30

3 marks

**Explanation:**

Liviwe kept  $\frac{5}{6}$  of his marbles.

$$\begin{aligned}\frac{5}{6} \text{ of } 36 &= (36 \div 6) \times 5 \\ &= 6 \times 5 \\ &= 30\end{aligned}$$

He kept 30 marbles.

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**Total:** 38 Marks