

Class 8 Maths

Facts

You need to practise your timetables and other number facts regularly, as we do in school.

You can use Times Table Rock Star like we do in school. The link is

- <https://play.ttrockstars.com/auth>

You can also use Numbots which uses the same login as Times Table Rock Star

- <https://play.numbots.com/#/account/search-school>

Arithmetic

This week there is a fraction assessment pack. Remember all the fraction work that we completed. Adding and subtracting fractions- equivalent fractions and finding amounts of fractions.

Numerator- The number on the top of the fraction.

Denominator- The bottom part of the fraction.

Monday-

Maths Assessment Year 3: Fractions

1. Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.

a) Complete the missing boxes in this sequence:

$\frac{9}{10}$				$\frac{5}{10}$	$\frac{4}{10}$	
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b) Shade in $\frac{1}{10}$ of the numbers in this 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

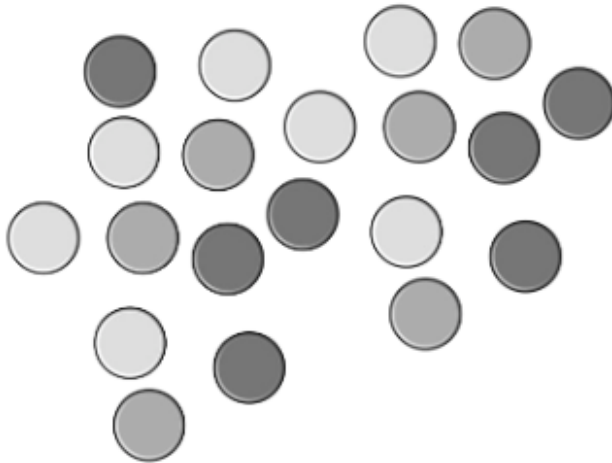
c) Write the answer to this calculation as a fraction:

$$8 \div 10 = \boxed{}$$

Tuesday-

2. Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.

There are 20 counters on the table. Calculate:



$$\frac{1}{2} \text{ of } 20 = \boxed{}$$

$$\frac{1}{4} \text{ of } 20 = \boxed{}$$

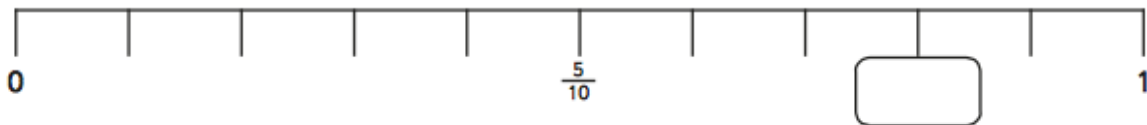
$$\frac{1}{5} \text{ of } 20 = \boxed{}$$

$$\frac{1}{10} \text{ of } 20 = \boxed{}$$

$$\frac{3}{5} \text{ of } 20 = \boxed{}$$

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3. Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.

a) Write the missing fraction in the box on the numberline:

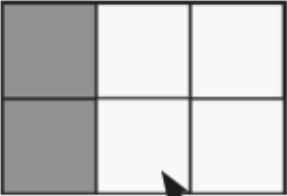




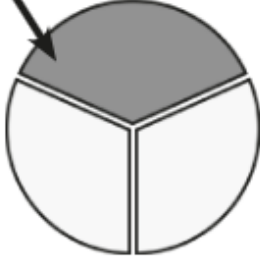

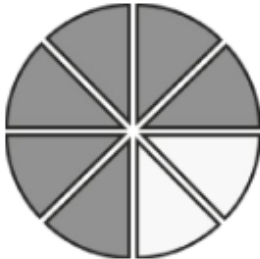


b) Write a fraction that is equivalent to $\frac{5}{10}$.

Wednesday-

4. Recognise and show, using diagrams, equivalent fractions with small denominators.

Write the fraction next to each diagram and draw lines to match the equivalent fractions.

$\frac{2}{6}$			<p>_____</p>
<p>_____</p>			<p>_____</p>
<p>_____</p>			$\frac{1}{3}$
<p>_____</p>			<p>_____</p>

5. Add and subtract fractions with the same denominator within one whole.

$$\frac{5}{7} + \frac{1}{7} = \boxed{}$$

$$\frac{5}{6} - \frac{2}{6} = \boxed{}$$

Thursday-

6. Compare and order unit fractions, and fractions with the same denominators.

Write these fractions in order of size, smallest first:

$$\frac{4}{10} \quad \frac{8}{10} \quad \frac{1}{10} \quad \frac{5}{10}$$

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smallest

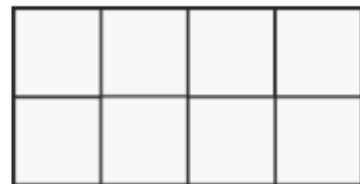
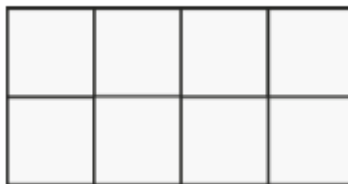
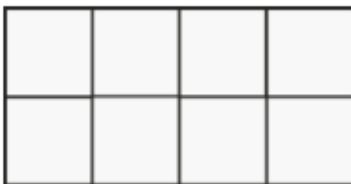
largest

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7. Solve problems that involve all of the above.

a) Ten children share six pizzas. What fraction of pizza do they have each?

b) Show three different ways of shading $\frac{1}{4}$ on these rectangles:



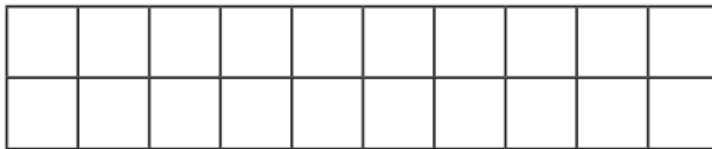
Friday-

- Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.

a) Complete the missing boxes in this sequence:



b) Shade in $\frac{2}{10}$ of this shape.



c) Write 0.6 as a fraction.

- Compare and order unit fractions, and fractions with the same denominators.

Write these fractions in order of size, smallest first:

$$\frac{4}{10} \quad \frac{3}{10} \quad \frac{9}{10} \quad \frac{7}{10}$$



smallest

largest