Varied Fluency
Step 3: Order FDP

National Curriculum Objectives:

Mathematics Year 6: (6F6) Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 3/8]
Mathematics Year 6: (6F11) Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

Differentiation:

Developing Questions to support ordering fractions, decimals and percentages. Using percentages and decimals that are multiples of 5 and fractions that are tenths, quarters and halves. Includes whole number percentages.
Expected Questions to support ordering fractions, decimals and percentages. Using any percentage and decimal number, and any proper fraction. May include the use of percentages equivalent to eighths with 1 decimal place.
Greater Depth Questions to support ordering fractions, decimals and percentages. Using any percentage and decimal number, and any proper fractions. Includes the use of percentages with 1 decimal place.

More Year 6 Percentages resources.

Did you like this resource? Don't forget to review it on our website.

© Classroom Secrets Limited 2019

Order FDP

1a. Frankie wants to compare her spelling scores for the last 4 weeks.

Week 1	Week 2	Week 3	Week 4
75%	0.55	65%	$\frac{4}{10}$

Put her scores in ascending order.

D VF

Order FDP

1b. Zoe wants to compare her arithmetic scores for the last 4 weeks.

Week 1	Week 2	Week 3	Week 4
0.75	$\frac{3}{4}$	0.8	85%

Put her scores in ascending order.

D VF

2a. Complete the comparison statements below using the <, > or = symbol.

A. 35% ☐ $\frac{2}{4}$

B. 75% ☐ 0.6

D VF

2b. Complete the comparison statements below using the <, > or = symbol.

A. 45% ☐ $\frac{7}{10}$

B. 20% ☐ 0.45

D VF

3a. Which percentage is needed to complete the sequence below?

0.05 ? 0.45 $\frac{5}{10}$

75% 30% 100%

D VF

3b. Which percentage is needed to complete the sequence below?

0.2 ? 0.65 $\frac{1}{2}$

35% 75% 10%

D VF

4a. Insert the values provided below in order to make the statement correct.

☐ < ☐ < ☐

0.5 $\frac{3}{4}$ 45%

D VF

4b. Insert the values provided below in order to make the statement correct.

☐ > ☐ > ☐

0.55 $\frac{2}{10}$ 0.7

D VF

© Classroom Secrets Limited 2019

Order FDP

5a. Rita wants to compare her arithmetic scores for the last 4 weeks.

Week 1	Week 2	Week 3	Week 4
62%	0.71	0.8	$\frac{5}{8}$

Put her scores in ascending order.

VF

Order FDP

5b. Dermot wants to compare his spelling scores for the last 4 weeks.

Week 1	Week 2	Week 3	Week 4
0.68	$\frac{8}{10}$	74%	$\frac{3}{8}$

Put his scores in descending order.

VF

6a. Complete the comparison statements below using the <, > or = symbol.

A. 0.85 ☐ $\frac{7}{8}$

B. 62.5% ☐ $\frac{5}{8}$

VF

6b. Complete the comparison statements below using the <, > or = symbol.

A. 36% ☐ 0.3

B. 12.5% ☐ $\frac{3}{12}$

VF

7a. Which percentage is needed to complete the sequence below?

0.09 ? 0.35 $\frac{8}{12}$

8% 5% 23%

VF

7b. Which percentage is needed to complete the sequence below?

0.12 ? 0.27 $\frac{11}{20}$

20% 7% 36%

VF

8a. Insert the values provided below in order to make the statement correct.

☐ > ☐ > ☐

20% $\frac{3}{8}$ 0.6

VF

8b. Insert the values provided below in order to make the statement correct.

☐ < ☐ < ☐

0.38 $\frac{9}{12}$ 12.5%

VF

© Classroom Secrets Limited 2019

Order FDP

9a. Gabi wants to compare her profit figures for the last 4 weeks.

Week 1	Week 2	Week 3	Week 4
0.35	0.65	65.2%	$\frac{2}{5}$

Put her profits in descending order.

GD VF

Order FDP

9b. Vince wants to compare his sales figures for the last 4 weeks.

Week 1	Week 2	Week 3	Week 4
99.5%	$\frac{4}{12}$	0.09	0.275

Put his sales figures in ascending order.

GD VF

10a. Complete the comparison statements below using the <, > or = symbol.

A. 0.45 ☐ $\frac{5}{8}$

B. 0.399 ☐ 39.8%

GD VF

10b. Complete the comparison statements below using the <, > or = symbol.

A. 47.8% ☐ 0.409

B. 60.1% ☐ $\frac{9}{15}$

GD VF

11a. Which percentage is needed to complete the sequence below?

$\frac{12}{30}$ 0.48 ? 0.85

89% 70.5% 25.4%

GD VF

11b. Which percentage is needed to complete the sequence below?

$\frac{7}{8}$ 0.707 ? 0.59

45.6% 85.9% 65.2%

GD VF

12a. Insert any of the values provided below in order to make the statement correct.

☐ > ☐ < ☐

0.375 $\frac{6}{8}$ 42.2% 72.9% $\frac{24}{64}$

GD VF

12b. Insert any of the values provided below in order to make the statement correct.

☐ < ☐ > ☐

0.877 $\frac{26}{80}$ 11.2% 0.901 $\frac{15}{40}$

GD VF

© Classroom Secrets Limited 2019

Varied Fluency
Order FDP

Developing

1a. week 4, week 2, week 3, week 1;

$\frac{4}{10}$, 0.55, 65%, 75%

2a. A. <; B. >

3a. 30%

4a. 45% < 0.5 < $\frac{3}{4}$

Expected

5a. week 1, week 4, week 2, week 3;

62%, $\frac{5}{8}$, 0.71, 0.8

6a. A. <; B. =

7a. 23%

8a. 0.6 > $\frac{3}{8}$ > 20%

Greater Depth

9a. week 3, week 2, week 4, week 1;

65.2%, 0.65, $\frac{2}{5}$, 0.35

10a. A. <; B. >

11a. 70.5%

12a. Various answers, for example:

72.9% > $\frac{24}{64}$ < 42.2%

Varied Fluency
Order FDP

Developing

1b. week 1 or week 2, week 3, week 4;

75% or $\frac{3}{4}$, 0.8, 85%

2b. A. <; B. <

3b. 35%

4b. 0.7 > 0.55 > $\frac{2}{10}$

Expected

5b. week 2, week 3, week 1, week 4;

$\frac{8}{10}$, 75%, 0.68, $\frac{3}{8}$

6b. A. >; B. <

7b. 20%

8b. 12.5% < 0.38 < $\frac{9}{12}$

Greater Depth

9b. week 3, week 4, week 2, week 1;

0.09, 0.275, $\frac{2}{5}$, 0.35

10b. A. >; B. >

11b. 65.2%

12b. Various answers, for example:

11.2% < 0.901 > $\frac{15}{40}$

© Classroom Secrets Limited 2019